CCL1

```
                                    10        20        30        40        50
Recombinant Protein {H. sapiens} - - - - - - - - - - - - - - - - - - - - KSMQVFFSRCCFSFAEQEIPLRAILCY
Homo sapiens                     MQIIITTALVCLLLAGMWPEDVDSKSMQVFFSRCCFSFAEQEIPLRAILCY
Mus musculus                     MKPTAMALMCLLLAAVWIQDVDSKSMLTVSNSCGLNTLKKELPLKFIQCY
Predicted Ovis aries             MKLIIPALVCLLLAGMWLQDVDTKSMHVFSSNCCYRTVKRKISPKKIRCY

                                    60        70        80        90       100
Recombinant Protein {H. sapiens} RNTSSICSNE-GLIFKLKRGKEACALDTVGWVQRHRKMLRHCPSK---
Homo sapiens                     RNTSSICSNE-GLIFKLKRGKEACALDTVGWVQRHRKMLRHCPSKRKK
Mus musculus                     RKMGSSCPDRPAAVVFRLNKGRESCASTNKTWVQNHLKKVNPG------
Predicted Ovis aries             KHISSTCSH- - - - - - - - - - - - - - - - - ENHLM- - - - - - - -
```

CCL2

```
                                    10        20        30        40        50
Recombinant Protein {M. musculus} - - - - - - - - - - - - - - - - QPDAVNAPLTCCYSFTSKMIPMSRLES
Homo sapiens isoform CRA_b       MKVSAALLCLLLIAATFIPQGLAQPDAINAPVTCCYNFTNRKISVQRLAS
Mus musculus isoform CRA_b       MQVFVMLLGLLFTVAGWSIHVLAQPDAVNAPLTCCYSFTSKMIPMSRLES
Predicted Ovis aries             MKFSAALLCLLLTVAAFSTEVLAQPDAINSQIACCYKRN-KKIPIQRLTN

                                    60        70        80        90       100
Recombinant Protein {M. musculus} YKRITSSRCPKEAVIFKTIVAKEICADPKKEWVQTYIKNLDRNQMR----
Homo sapiens isoform CRA_b       YRRITSSKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHLDKQTQTPKT-
Mus musculus isoform CRA_b       YKRITSSRCPKEAVIFKTIVAKEICADPKKEWVQTYTKNLDRNQMRSEPT
Predicted Ovis aries             YRRVTTSKCPKEAVIFKTILGKEFCADPNLKWVQDAINHLNKKNQTPKP-

                                   110       120       130       140       150
Recombinant Protein {M. musculus} - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Homo sapiens isoform CRA_b       - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Mus musculus isoform CRA_b       TLFKTASALRSSAPLNVKLTRKSEANASTTFSTTTSSTSVGVTSVTVN
Predicted Ovis aries             - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

CCL4

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                                    10        20        30        40        50
Recombinant Protein {H. sapiens} - - - - - - - - - - - - - - - - - - - - APMGSDPPTACCFSYTARKLPRNFVVD
Homo sapiens                     MKLCVTVLSLLMLVAAFCSPALSAPMGSDPPTACCFSYTARKLPRNFVVD
Mus musculus                     MKLCVSALSLLLLVAAFCAPGFSAPMGSDPPTSCCFSYTSRQLHRSFVMD
Predicted Ovis aries             MKLCVTVLSLLVLAAAFCSPALSAPMGSDPPTACCFSYTLRQIPRNFVID

                                    60        70        80        90       100
Recombinant Protein {H. sapiens} YYETSSLCSQPAVVFQTKRSKQVCADPSESWVQEYVYDLELNN
Homo sapiens                     YYETSSLCSQPAVVFQTKRSKQVCADPSETWVQEYVYDLELNN
Mus musculus                     YYETSSLCSKPAVVFLTKRGRQICANPSEPWVTEYMSDLELNN
Predicted Ovis aries             YYETSSLCSQPAVVFQTKKGRQVCANPSEPWVQEYMDDLELNN
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CCL17

```
                                    10        20        30        40        50
Recombinant Protein {M. musculus } - - - - - - - - - - - - - - - - - - - ARATNVGRECCLDYFKGAIPIRKLVSW
Homo sapiens                     MAPLKMLALVTLLLGASLQHIHAARGTNVGRECCLEYFKGAIPLRKLKTW
Mus musculus                     MRSLQMLLLAALLLGTFLQHARAARATNVGRECCLDYFKGAIPIRKLVSW
Predicted Ovis aries             MHTHTCSCLAFP- - - - - - - - - TARAGSVGRECCLQFYKGSIPKKALMDW

                                    60        70        80        90       100
Recombinant Protein {M. musculus } YKTSVECSRDAIVFLTVQGKLICADPKDKHVKKAIRLVKNPRP-------
Homo sapiens                     YQTSEDCSRDAIVFVTVQGRAICSDPNNKRVKNAVKYLQSLERS------
Mus musculus                     YKTSVECSRDAIVFLTVQGKLICADPKDKHVKKAIRLVKNPRP-------
Predicted Ovis aries             YPTSGDGFNNAIVLVTRSGRTLCANPKDRKVKMAMGYLQKHMKSPNLAFQ

                                   110       120       130       140       150
Recombinant Protein {M. musculus } - - -
Homo sapiens                     - - -
Mus musculus                     - - -
Predicted Ovis aries             ES S
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CCL20

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                                    10        20        30        40        50
Recombinant Protein {M. musculus} - - - - - - - - - - - - - - - - - - - ASNYDCCLSYIQTPLPSRAIVGFT
Homo sapiens isoform CRA_b       -MQCTKSLLLAALMSVLLLHLQGESEASNFDCCLGYTDRILHPKFIVGFT
Mus musculus                     MAQGGKRLLFLALAWVLLAHLCSQAEASNFDCCLSYIQTPLPSRAIVGFT
Predicted Ovis aries             MMCSSKNLLLAALMSVLLLHLCSKSEASSFDCCLRYTERILHPSVLVGFT

                                    60        70        80        90       100
Recombinant Protein {M. musculus} RQMADEACDINAIIFHTKKRKSVCADPKQNWVKRAVNLLSLRVKKMM
Homo sapiens isoform CRA_b       RQLANEGCDINAIIFHTKKKLSVCANPKQTWVKYTIVRLLSKKVKNMM
Mus musculus                     RQMADEACDINAIIFHTKKRKSVCADPKQNWVKRAVNLLSLRVKKMM
Predicted Ovis aries             GQLANEACDINAVVFYTRRKLAVCADPKKKWVKQAVHLLSQRVKRMM
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CCL28

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                                    10        20        30        40        50
Recombinant Protein {H. sapiens} - - - - - - - - - - - - - - - - - - ILPIASSCCTEVSHHISRRLLERVNMCR
Homo sapiens                     MQQRGLAIVALAVCAALHASEAILPIASSCCTEVSHHISRRLLERVNMCR
Mus musculus                     MQQAGLTLMAVAVCVAFQTSEAILPMASSCCTEVSHHVSGRLLERVSSCS
Ovis aries                       - - - - - - - - - - - - - - - - - - - ILPIASSCCTEVSHHVSRRLLERVTTCR

                                    60        70        80        90       100
Recombinant Protein {H. sapiens} IQRADGDCDLAAVILHVKRRRICVSPHNHTVKQWMKVQAAKKNGKGNVCH
Homo sapiens                     IQRADGDCDLAAVILHVKRRRICVSPHNHTVKQWMKVQAAKKNGKGNVCH
Mus musculus                     IQRADGDCDLAAVILHVKRRRICISPHNRTLKQWMRASEVKKNGRENVCS
Ovis aries                       IQRADGDCDLAAVILHVKRRRVCVSPHNHVIKQWMKEQAAKKQAQGNVCH

                                   110       120       130       140       150
Recombinant Protein {H. sapiens} RKKHHGKRNSNRAHQGKHETYG---HKTPYY
Homo sapiens                     RKKHHGKRNSNRAHQGKHETYG---HKTPYY
Mus musculus                     GKKQPSRKDRKGHTTRKHRTRGTHRHEASRR
Ovis aries                       KKRRHHARRNSKGPHRERQEAHG---HKTPYY
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CCL21

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                                    10        20        30        40        50
Recombinant Protein {M. musculus} - - - - - - - - - - - - - - - - - - - SDGGGQDCCLKYSQKKIPYSIVRGYRK
Homo sapiens                     MAQSLALSLLILVLAFGIPRTQGSDGGAQDCCLKYSQRKIPAKVVRSYRK
Mus musculus                     MAQMMTLSLLSLVLALCIPWTQGSDGGGQDCCLKYSQKTIPYSIVRGYRK
Predicted Ovis aries             MPQSLVLSMLVLALAFCILQVQGSDGGAQDCCLTYSRKKIPANIVRSYRR

                                    60        70        80        90       100
Recombinant Protein {M. musculus} QEPSLGCPIPAILFSPRKHSKPELCANPEEGWVQNLMRRLDQPPAPGKQS
Homo sapiens                     QEPSLGCSIPAILFSPRKRSQAELCADPKELWVQGLMQHLDKTPSPGKPA
Mus musculus                     QEPSLGCPIPAILFSPRKHSKPELCANPEEGWVQNLMRRLDQPPAPGKQS
Predicted Ovis aries             QDISLGCAMPAILFSPRKRSQPELCADPKEAWVQNLMRRLDKPSAPRKPA

                                   110       120       130       140       150
Recombinant Protein {M. musculus} FGCRKNRGTSKSGKKGKGSKGCKRTEQTQPSRG--
Homo sapiens                     QGCRKDRGASKTGKKGKGSKGCKRTERSQTPKGPP
Mus musculus                     FGCRKNRGTSKSGKKGKGSKGCKRTEQTQPSRG--
Predicted Ovis aries             QDGKKDKGAPKSGKKGKGSKGCKRTETS---KGPP
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CXCL9

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                                    10        20        30        40        50
Recombinant Protein {M. musculus} - - - - - - - - - - - - - - - - - - - TPVVRKGRCSCISTNQGTIHLQSLKDLK
Homo sapiens                     MKKSGVLFLLGIILLVLIGVQGTPVVRKGRCSCISTNQGTIHLQSLKDLK
Mus musculus                     -MKSAVLFLLGIIFLEQCGVRGTLVIRNARCSCISTSRGTVHYKSLKDLK
Predicted Ovis aries             MKKRAPLFLC-IIFLTLTGVQGIPAIRNGRCSCINTSQGMIHPKSLKDLK

                                    60        70        80        90       100
Recombinant Protein {M. musculus} QFAPSPSCEKIEIIATLKNGVQTCLNPDSADVKELIKKWEKQVSQKKKQK
Homo sapiens                     QFAPSPSCEKIEIIATLKNGVQTCLNPDSADVKELIKKWEKQVSQKKKQK
Mus musculus                     QFAPSPNCNKTEIIATLKNGDQTCLDPDSANVKKLMKEWEKKINQKKKQK
Predicted Ovis aries             QFAPSPTCEKIEIIATVKNGAQVCLNPDLPEVKELIKEWEKQVNQKKKQR

                                   110       120       130       140       150
Recombinant Protein {M. musculus} NGKKHQK-KKVLKVRKSQ-RSRQKKTTT
Homo sapiens                     NGKKHQK-KKVLKVRKSQ-RSRQKKTTT
Mus musculus                     RGKKHQKNMKNKPKTPQSRRSRSRKTTT
Predicted Ovis aries             KGKKYKKTKKVPKVKRSQ-RPSQKKTTT
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