

Product datasheet for SC109751

CCL14 (NM_004166) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CCL14 (NM_004166) Human Untagged Clone
Tag: Tag Free
Symbol: CCL14
Synonyms: CC-1; CC-3; CKb1; FLJ16015; HCC-1; HCC-3; MCIF; NCC-2; NCC2; SCYA14; SCYL2; SY14
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene ORF within SC109751 sequence for NM_004166 edited (data generated by NextGen Sequencing)

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ATGAAGATCTCCGTGGCTGCCATTCCCTTCTTCTCCTCATCACCATCGCCCTAGGGACC
AAGACTGAATCCTCCTCACGGGGACCTTACCACCCTCAGAGTGCTGCTTACCTACACT
ACCTACAAGATCCCGCTCAGCGGATTATGGATTACTATGAGACCAACAGCCAGTGCTCC
AAGCCCGAATTGTCTTTCATCACCAAAAGGGGCCATTCCGTCTGTACCAACCCAGTGAC
AAGTGGTCCAGGACTATATCAAGGACATGAAGGAGAAGTGA
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Clone variation with respect to NM_004166.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004166 unedited
CAATAGGTCATACGACTCACTATAGGGCGCGCGAATTCGGCACGAGCCGAGGAGCCT
CTGAAGCTCCCACCAGGCCAGCTCTCCTCCACACACTTCCCACAGCATGAAGATCTCCG
TGGCTGCCATTCCCTTCTTCTCCTCATCACCATCGCCCTAGGGACCAAGACTGAATCCT
CCTCACGGGGACCTTACCACCCCTCAGAGTGCTGCTTACCTACACTACCTACAAGATCC
CGCGTCAGCGGATTATGGATTACTATGAGACCAACAGCCAGTGCTCCAAGCCCGAATTG
TCTTTCATCACCAAAAGGGGCCATTCCGTCTGTACCAACCCAGTGACAAGTGGGTCCAGG
ACTATATCAAGGACATGAACGAGAAGTGAAGTGAACCCAGGAGGAGGCGAAGGCACAGCT
CAGAGACATAAAGAGAAGATGCCAAGGCCCTCCTNCAACCCACCGCTAACTCTCAGCCC
CAGTCACCCTCTTGGAGCTTCCCTGCTTTGAATTAAGACCACCTCATGCTCTTAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGACATAGCTGTTT
CCTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAGGCCCTTTCTGGCCCTGGG
AGCTGCCCTCCAGTGCCAACACCTTGGTCCTAAAAATAAATCGCTCATTCTGCTG
AATAAGAGTCCCTCTACAACATACGGGGGCGAGGGGCGCATGGAACAAGGCACGTTGG
AAGACAACCTGAAGGCCGCGGTCCAATGGAACAGCCGATGCAGGGGCCCAACTGGCT
ACTGAATCTCGGCCCGGGTTAAACCAATTCTGCCACCCTCCGAGTGTGGGATCCAG
CCTGCCTGCCCCCATTAATTTGTTCTTTGTA AAAACGGGTTACCTTATGC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004166 unedited NNNNNNAAAANNTTACTTGNACCGCGCCGCAATCTAGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAGCATGAGTGGTCTTTAATTCAAAGCAGGAAGCTCCAAAAGGTGACTGGGGCTGAAAGTTACCGGTGGGTGGAGGAGGGGGCCTTGGCATCTTCTCTTTATGTCTCTGAGCTGTGCCTTCGCCACCCCTTCTGGGTCACTCAGTTCTCCTTCATGTCCTTGATATAGTCCTGGACCCACTTGTCACTGGGTTGGTACAGACGGAATGGCCCTTTTGGTGATGAGACAATTCGGGCTGGAGCACTGGCTGTTGGTCTCATAGTAATCCATAATCCGCTGACGCGGGATCTTGTAGGTAGTGTAGGTGAAGCAGCACTCTGAGGGGTGGTAAGGTCCCCGTGAGGAGGATTCAGTCTTGGTCCCTAGGGCGATGGTGATGAGGAGGAAGAAGGGAATGGCAGCCACGGAGATCTTCATGCTGTGGGAAGCTGTTGTGGGAGGAGAGCTGGCCTGGTGGGAGCTTTCAGAGGCTCCTGCGGCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACA AAATTCTGACGGTTCCTAAACGAGCTTGCTTATATAGACCTNCCACCGTACACGCCTA CCGNCCATTTGCGTCAACGGGGCGGNGTTATTACGACATTTTGGAAAGTCCCGTTGATT TTGGTGCCAAAAACAACCTCCATTGACGTCAATGGGGTGGAGACTTGNAATCCCCGTG AGTCAAACCGCTATCCACGCCATTNGNTGTAAGTCCCAACCGCATCACCATGGGTTAT AGCGATGACTAATACCTTANATGTACTGCCCAAGTANGAAAGTCCCCGTAAAGTCATGT ACTGGGGCATAATGCCAGGCGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_004166
Insert Size:	550 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004166.3 , NP_004157.1
RefSeq Size:	1344 bp
RefSeq ORF:	282 bp
Locus ID:	6358
Cytogenetics:	17q12
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary:

This gene, chemokine (C-C motif) ligand 14, is one of several CC cytokine genes clustered on 17q11.2. The CC cytokines are secreted proteins characterized by two adjacent cysteines. The cytokine encoded by this gene induces changes in intracellular calcium concentration and enzyme release in monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Read-through transcripts are also expressed that include exons from the upstream cytokine gene, chemokine (C-C motif) ligand 15, and are represented as GenID: 348249. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (1) is a bicistronic transcript that includes CCL14 and CCL15. Variant 1 lacks an in-frame exon in the CCL14 coding region, compared to variant 2. Variants 1 and 3 encode isoform 1, which is shorter than isoform 2.