

## Product datasheet for **SC109753**

### CCL14 (NM\_032963) Human Untagged Clone

#### Product data:

|                              |  |
|------------------------------|--|
| Product Type:                | Expression Plasmids  |
| Product Name:                | CCL14 (NM_032963) Human Untagged Clone   |
| Tag:                         | Tag Free   |
| Symbol:                      | CCL14  |
| Synonyms:                    | CC-1; CC-3; CKB1; HCC-1; HCC-1(1-74); HCC-1/HCC-3; HCC-3; MCIF; NCC-2; NCC2; SCYA14; SCYL2; SY14   |
| Mammalian Cell Selection:    | None   |
| Vector:                      | <u>pCMV6-XL4</u>   |
| E. coli Selection:           | Ampicillin (100 ug/mL)   |
| Fully Sequenced ORF:         | >OriGene ORF sequence for NM_032963 edited<br>ATGAAGATCTCCGTGGCTGCCATTCCCTTCTTCTCCTCATCACCATCGCCCTAGGGACC<br>AAGACTGAATCCTCCTCACGGGGACCTTACCACCCTCAGAGTGCTGCTTACCTACACT<br>ACCTACAAGATCCCGCGTCAGCGGATTATGGATTACTATGAGACCAACAGCCAGTGCTCC<br>AAGCCCGAATTGTCTTTCATCACCAAAAGGGGCCATTCCGTCTGTACCAACCCAGTGAC<br>AAGTGGTCCAGGACTATATCAAGGACATGAAGGAGAACTGA  |
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_032963 unedited<br>CGGCCGGAATTCGGCACCAGACCAGGCCAGCTCTCCTCCCAACAGCTTCCCACAGCA<br>TGAAGATCTCCGTGGCTGCCATTCCCTTCTTCTCCTCATCACCATCGCCCTAGGGACCA<br>AGACTGAATCCTCCTCACGGGGACCTTACCACCCTCAGAGTGCTGCTTACCTACACTA<br>CCTACAAGATCCCGCGTCAGCGGATTATGGATTACTATGAGACCAACAGCCAGTGCTCCA<br>AGCCCGAATTGTCTTTCATCACCAAAAGGGGCCATTCCGTCTGTACCAACCCAGTGACA<br>AGTGGTCCAGGACTATATCAAGGACATGAAGGAGAACTGAGTGACCCAGAAAGGGTGGC<br>GAAGGCACAGCTCANAGACATAAAGAGAAGATGCCAAGGCCNCTCCTCCACCCACCGCT<br>AACTCTCAGCCCCAGTCACCCTTTGGAGCTTCCCTGCTTTGAATTAAGACCACTCATG<br>CTCTTAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTACATAGCTGTTTC<br>CTGAACAGATCCCGGTGGCATCCCTGTGACCCCTCCAGTGCCCTCTCCTGGCCCTGG<br>AAGTTGCACTCCAGTGCCACCACCTTGNCTAATAAATTAAGTGCATATTTGGCTG<br>ACTAGGGTCTTCTATAATATATGGGGTGGGGGGGGGGTTTGAACCCGGGGAAAT<br>TGGGAACACACCCTGAA |



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|-------------------------------------|--|
| <b>3' Read Nucleotide Sequence:</b> | >OriGene 3' read for NM_032963 unedited<br>GGGGGAATCAGTGCCTGGCGGCCCGCATANAGATCGAGTTTTTTTTTTTTTTTTTTAAG<br>ACATGAGTGGTCTTTAATTCAAAGCAGGGAAGCTCCAAGAGGGTGACTGGGGCTGAAAGT<br>TAGCGGTGGGTGGAGGAGGGGCCTTGGCATCTTCTTTATGTCTCTGAGCTGTGCCTT<br>CGCCACCCCTTCTGGGTCACTCAGTTCTCCTTCATGTCCTTGATATAGTCCTGGACCCAC<br>TTGTCACTGGGGTTGGTACAGACGGAATGGTCTTTTTGGTGATGAAGACAATATTTGGG<br>AATTGGAGCACTGGTTGTTGGTTTTATAGTAATACATAATATGATGACGTGGGATCTTGT<br>AGGTAGTGTAGGTGAAGTAGTAATTTGAGGGGTGTAAGGTTCCCTGTGAGGAGGATTTAG<br>TTTTGGTTTTAGGGTGTGGTATTAGGAGGAAGAAGGAATGGTAGTTTATGAGATTT<br>TTATGTTTTGTTAAGATTTGTGTTAGGAGAGATGGTATGATTTGTTGTTAATTTGTTG<br>TTTTTAAAGGAAATGTATTAATAATATGAGTGTTAATAATTAATTTATGGAAAAATA<br>TATTTAATTTTTTTTTCTATATATAATTTGTTATATAATTTTTGTTTTTTTTATTT<br>TCTTTTTAAATTTATGTATTAATTTGTTAATTTTTCTTTATTTGTTTTATAGATTAG<br>TAATTTTTATTATTATATAGTTTTATAATATTATTTAAATTAATTTTTTAGTA<br>TTAATTATTTATTTTTTTATGTATATTGATAAATATTAGAGATAATTTTTTTATAA<br>TTTTCTTTTGTAATTTTTTAAAAATTAATTCTCGCTTACCCCTCTCCCCCCCCC<br>CCCCCCC |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_032963  |
| <b>Insert Size:</b>                 | 460 bp   |
| <b>OTI Disclaimer:</b>              | 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).   |
| <b>Components:</b>                  | 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).   |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                      | <a href="#">NM_032963.2</a> , <a href="#">NP_116739.1</a>  |
| <b>RefSeq Size:</b>                 | 481 bp   |
| <b>RefSeq ORF:</b>                  | 282 bp   |
| <b>Locus ID:</b>                    | 6358   |
| <b>UniProt ID:</b>                  | <a href="#">Q16627</a>   |
| <b>Cytogenetics:</b>                | 17q12  |
| <b>Domains:</b>                     | IL8  |
| <b>Protein Families:</b>            | 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 GeneID: 348249. [provided by RefSeq, Dec 2009]

Transcript Variant: This variant (3, CCL14a) lacks an alternate in-frame exon in the 5' coding region, compared to variant 2. The resulting isoform (1) lacks an alternate segment near the N-terminus, compared to isoform 2.