

Product datasheet for **SC118318**

CCL3 (NM_002983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCL3 (NM_002983) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCL3
Synonyms:	G0S19-1; LD78ALPHA; MIP-1-alpha; MIP1A; SCYA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118318 sequence for NM_002983 edited (data generated by NextGen Sequencing) ATGCAGGTCTCCACTGCTGCCCTTGCTGTCTCCTCTGCACCATGGCTCTCTGCAACCAG TTCTCTGCATCACTTGCTGCTGACACGCCGACCGCTGCTGCTTCAGCTACACCTCCCGG CAGATTCCACAGAATTTTCATAGCTGACTACTTTGAGACGAGCAGCCAGTGCTCCAAGCCT GGTGTCATCTTCCTAACCAAGCGAAGCCGGCAGGTCTGTGCTGACCCAGTGAGGAGTGG GTCCAGAAATATGTCAGCGACCTGGAGCTGAGTGCCTGA Clone variation with respect to NM_002983.2 180 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002983 unedited
 GGATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCAGACAGTGG
 TCAGTCCCTTTCTGGCTCTGCTGACACTCGAGCCACATTCGGTACCTGCTCAGAATCA
 TGCAGGTCTCCACTGCTGCCCTTGTCTCTCTGACCATGGCTCTCTGCAACCAGT
 TCTCTGCATCACTTGTGCTGACACGCCGACCGCTGTGCTTACAGTACACCTCCCGGC
 AGATCCACAGAATTTTCATAGCTGACTACTTTGAGACGAGCAGCCAGTGTCCAAGCCTG
 GTGTCATCTTCCAAACCAAGCGAAGCCGGCAGGTCTGTGCTGACCCAGTGAGGAGTGGG
 TCCAGAAATATGTCAGCGACCTGGAGCTGAGTGCCTGAGGGTCCAGAAGCTTCGAGGCC
 CAGCGACCTCGGTGGGCCAGTGGGGAGGAGCAGGAGCCTGAGCCTTGGGAACATGCGTG
 TGACCTCCACAGCTACCTCTTATGGACTGGTGTGGCCAAACAGCCACACTGTGGGAC
 TCTTCTAACTTAAATTTAATTTATTTATACTATTTAGTTTTGTAAATTTATTTTCGAT
 TTCACAGTGTGTTGTGATTGTTTGTCTGAGAGTTCCTGTCCCTCCCGTTCCTC
 ACACCGCTGTGGTGACAACCGAGTGGCTGTCATCGGCCTGTGTANGCAGTCATGGCACC
 AAAGCCACCAGACTGACAAATGTGTATCGGATGCTTTTGTTCAGGNTGTGATNCGNCTG
 NGGAAATAATAAAGATGCTCTTTTAAAAGTANNAAAAAAAAAAAAAAACTCGACTAGAT
 TGCNNGCCGCGTCATAGCTGNTTCCCTGACAGATCCNNGGTGGCATCCCTGTGACCCCTC
 CCNATGCCTCTCCTGGCCCTGNAAGNTGCACTCCGTGCCACAGCCCTGTCTATAAAATA
 AGTGCATCATTTGCTGACTAGTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002983 unedited
 GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTACCTTTTAAAAGACATCTTTA
 TTATTTCCCGAGCCGATCACAGCCCTGAACAAAAGCATCCGATACACATTTGTCAGTCT
 GGTGGCTTTGGTGCCATGACTGCCTACACAGCCGATGACAGCCACTCGGTTGTCACCAG
 ACGCGGTGTGAGGGAACGGGGAGGGGACAGGGAACTCTCAGAGCAAACAATCACAAACA
 CACTGTGAAATCGAAAATAAATTACAAAACTAAATAGTATAAATAAATTTAAATTTAAG
 TTAAGAAGAGTCCACAGTGTGGCTGTTTGGCAACAACAGTCCATAGAAGAGGTAGCTG
 TGGAGGTCACACGCATGTTCCCAAGGCTCAGGCTCCTGTCTCCCACTGGGCCACCG
 AGGTGCTGGGCCTCGAAGCTTCTGGACCCCTCAGGCACTCAGCTCCAGGTCGCTGACAT
 ATTTCTGGACCCACTCCTCACTGGGGTCAACAGACCTGCCGGCTTCGCTTGGTTAGGA
 AGATGACACCAGGCTTGGAGCACTGGCTGCTCGTCTCAAAGTAGTCAGCTATGAAATTTCT
 GTGGAATCTGCCGGGAGGTGTAGCTGAAGCAGCAGGCGGTGCGCGTGTGACAGCAAGTG
 ATGCAGAGAACTGGTTGCAGAGGCCATGGTGCAGAGGAGGACAGNAGGGGCAGCAGTGG
 AGACCTGCATGATTCTGAGCAGGTGACGGAATGTGGGCTCGAGTGTGACAGAGCCAAGA
 AAGGACTGACCACTGTCTGCCTCGTGCCGAATTCGCGGCCGCCCTTAGTGAGTCGTATAC
 AAAATCTGACGGTTCACTAACGAGCTCTGCTTATTAGACTTCCCGAACACGCTACCGCC
 CATTGCGTAACCGGCCGGGTATTACAACATTTGGAAAGTCCGTGATTTTGGCAAAACA
 CTTTCATGCCGTCATGGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_002983

Insert Size:

780 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	<p>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).</p>
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_002983.1 , NP_002974.1
RefSeq Size:	776 bp
RefSeq ORF:	279 bp
Locus ID:	6348
UniProt ID:	P10147
Cytogenetics:	17q12
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Toll-like receptor signaling pathway
Gene Summary:	<p>This locus represents a small inducible cytokine. The encoded protein, also known as macrophage inflammatory protein 1 alpha, plays a role in inflammatory responses through binding to the receptors CCR1, CCR4 and CCR5. Polymorphisms at this locus may be associated with both resistance and susceptibility to infection by human immunodeficiency virus type 1.[provided by RefSeq, Sep 2010]</p>