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Product datasheet for SC303257

I 309 (CCL1) (NM_002981) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	I 309 (CCL1) (NM_002981) Human Untagged Clone
Tag:	Tag Free
Symbol:	I 309
Synonyms:	I-309; P500; SCYA1; SISe; TCA3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002981 edited AAGCTGCTCCAGGAAGGCCCAAGCCAGACCAGAAGACATGCAGATCATCACCACAGCCCT GGTGTGCTTGCTGCTAGCTGGGATGTGGCCGGAAGATGTGGACAGCAAGAGCATGCAGGT ACCCTTCTCCAGATGTTGCTTCTCATTTGCGGAGCAAGAGATTCCCCTGAGGGCAATCCT GTGTTACAGAAATACCAGCTCCATCTGCTCCAATGAGGGCTTAATATTCAAGCTGAAGAG AGGCAAAGAGGCCTGCGCCTTGGACACAGTTGGATGGGTTCAGAGGCACAGAAAAATGCT GAGGCACTGCCCGTCAAAAAGAAAATGAGCAGATTTCTTTCCATTGTGGGCTCTGGAAAC CACATGGCTTCACCTGTCCCCGAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002981 unedited GAGACTTGTATACGACTCCTATAGGGCGGCCGCGAATTCGCCCTTAAGCTGCTCCAGGAA GGCCCAAGCCAGACCAGAAGACATGCAGATCATCACCACAGCCCTGGTGTGCTTGCTGCT AGCTGGGATGTGGCCGGAAGATGTGGACAGCAAGAGCATGCAGGTACCCTTCTCCAGATG TTGCTTCTCATTTGCGGAGCAAGAGATTCCCCTGAGGGCAATCCTGTGTTACAGAAATAC CAGCTCCATCTGCTCCAATGAGGGCTTAATATTCAAGCTGAAGAGAGGCAAAGAGGCCTG CGCCTTGGACACAGTTGGATGGGTTCAGAGGCACAGAAAAATGCTGAGGCACTGCCCGTC AAAAAGAAAATGAGCAGATTTCTTTCCATTGTGGGCTCTGGAAACCACATGGCTTCACCT GTCCCCGAACCGTGATGAAGGGCGAATTCAGATCTGGTACCGATATCAAGCTTGTCGACT CTAGATTGCGGCCGCGGTCATAGCTGTTTCCTGAACAGATCCCGGGTGGCATCCCTGTGA CCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCACCAGCCTTGT CCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATATTATGGG GTGGAGGGGGTGGGTATGGGAGCAAGGGGCAAGTTGGGAAGACAACCTGTAGGGCCTGCG GGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCATCTCCGC CTCCTGGGTTCAAGCGATTCTCCTGCTCAGCCTCCGAGTTGTTGGATTCCAGGCATGCAT GACCAGCTCAGCTAATTTTTGTTTTTTTGTAGAGACGGTTTCACCCATATTGGCCCAGCT G
Restriction Sites:	Please inquire

View online »

ACCN:	NM_002981
Insert Size:	400 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	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_002981.1, NP_002972.1
RefSeq Size:	542 bp
RefSeq ORF:	291 bp
Locus ID:	6346
UniProt ID:	P22362
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, is secreted by activated T cells and displays chemotactic activity for monocytes but not for neutrophils. It binds to the chemokine (C-C motif) receptor 8. [provided by RefSeq, Sep 2014]