

## Product datasheet for **SC122744**

### Macrophage Inflammatory Protein 3 beta (CCL19) (NM\_006274) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Macrophage Inflammatory Protein 3 beta (CCL19) (NM_006274) Human Untagged Clone
Tag:	Tag Free
Symbol:	Macrophage Inflammatory Protein 3 beta
Synonyms:	CKb11; ELC; MIP-3b; MIP3B; SCYA19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_006274 edited CATCACTCACACCTTGCATTTTACCCCTGCATCCCAGTCGCCCTGCAGCCTCACACAGAT CCTGCACACACCCAGACAGCTGGCGCTCACACATTCACCGTTGGCCTGCCTCTGTTCAAC CTCCATGGCCCTGCTACTGGCCCTCAGCCTGCTGGTTCTCTGGACTTCCCAGCCCAAC TCTGAGTGGCACCAATGATGCTGAAGACTGCTGCCTGTCTGTGACCCAGAAACCCATCCC TGGGTACATCGTGAGAACTTCCACTACCTTCTCATCAAGGATGGCTGCAGGGTGCCTGC TGTAGTGTTCACCACACTGAGGGGCCGCCAGCTCTGTGCACCCAGACCAGCCCTGGGT AGAACGCATCATCCAGAGACTGCAGAGGACCTCAGCCAAGATGAAGCGCCGACGAGTTA ACCTATGACCGTGCAGAGGGAGCCGGAGTCCGAGTCAAGCATTGTGAATTATTACCTAA CCTGGGAACCGAGGACCAGAAGGAAGGACCAGGCTTCCAGCTCCTCTGCACCAGACCTG ACCAGCCAGGACAGGGCCTGGGGTGTGTGTGAGTGTGAGTGTGAGCGAGAGGGTGTGAGTGT GGTCAGAGTAAAGCTGCTCCACCCAGATTGCAATGCTACCAATAAAGCCGCCTGGTGT TTACAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006274 unedited AGGGCGGCACACCATTCCCGGGCTACATCACTCACACCTTGCAATTCACCCCTGCATCC CAGTCGCCCTGCAGCCTCACACAGATCCTGCACACACCCAGACAGCTGGCGCTCACACAT TCACCGTTGGCCTGCCTCTGTTACCCTCCATGGCCCTGCTACTGGCCCTCAGCCTGCTG GTTCTCTGGTACTTCCCCAGCCCCAACTCTGAGTGGCACCAATGATGCTGAAGACTGCTG CCTGTCTGTGACCCAGAAACCCATCCCTGGGTACATCGTGAGGAATTCCTACTACCTTCT CATCAAGGATGGCTGCAGGGTGCCTGTAGTGTTCACCACACTGAGGGGCCAGCT CTGTGCACCCCCAGACCAGCCCTGGGTAGAACGCATCATCCAGAGACTGCAGAGGACCTC AGCCAAGATGAAGCGCCGAGCAGTAACTATGACCGTGCAGAGGGAGCCCGGAGTCCG AGTCAAGCATTGTGAATTATTACCTAACCTGGGGAACCGAGGACCAGAAGGAAGGACCAG GCTTCCAGCTCCTCTGCACCAGACCTGACCAGCCAGGACAGGGCCTGGGGTGTGTGTGAG TGTGAGTGTGAGCGAGAGGGTGTGTGGTGTGAGTAAAGCTGCTCCACCCAGATTGC AATGCTACCAATAAAGCCGCTGGTGTTCACAACTAANAAAAANNNNNNANNNNNANN NGGGCGGCCGCGTTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCC TCCCCGTGCCTCTCTGGCCCTGNAAGTGCCACTCCAGTGCCACCAGCCTTGCCTAT AAAATTAAGTGC
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006274
<b>Insert Size:</b>	694 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_006274.2</a> , <a href="#">NP_006265.1</a>
<b>RefSeq Size:</b>	684 bp
<b>RefSeq ORF:</b>	297 bp
<b>Locus ID:</b>	6363
<b>UniProt ID:</b>	<a href="#">Q99731</a>
<b>Cytogenetics:</b>	9p13.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

**Gene Summary:**

This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene may play a role in normal lymphocyte recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to chemokine receptor CCR7. [provided by RefSeq, Sep 2014]