

## Product datasheet for **SC310690**

### MCP2 (CCL8) (NM\_005623) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MCP2 (CCL8) (NM_005623) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCP2
Synonyms:	HC14; MCP-2; MCP2; SCYA8; SCYA10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005623 edited CCTTCAGCCTCTGCTCCACAGAGCCTAAGCAAAAGATAGAAACTCACAATTCCTTGTTT TGTTATCTGGAAATTATCCCAGGATCTGGTGCTTACTCAGCATATTCAAGGAAGGTCTTA CTTCATTCTTCTTGATTGTGACCATGCCAGGCTCTCTGCTCCCTATAAAGGCAGGCA GAGCCACCGAGGAGCAGAGAGGTTGAGAACAACCCAGAAACCTTCACCTCTCATGCTGAA GCTCACACCCCTTGCCCTCCAAGATGAAGGTTTCTGCAGCGCTTCTGTGCCTGCTGCTCAT GGCAGCCACTTTCAGCCCTCAGGGACTTGCTCAGCCAGATTTCAGTTTCCATTCCAATCAC CTGCTGCTTTAACGTGATCAATAGGAAAATTCCTATCCAGAGGCTGGAGAGCTACACAAG AATCACCAACATCCAATGTCCCAAGGAAGCTGTGATCTTCAAGACCCAACGGGGCAAGGA GGTCTGTGCTGACCCCAAGGAGAGATGGGTCAGGGATTCCATGAAGCATCTGGACCAAT ATTTCAAATCTGAAGCCATGAGCCTTCATACATGGACTGAGAGTCAGAGCTTGAAGAAA AGCTTATTTATTTTCCCCAACCTCCCC
Restriction Sites:	Please inquire
ACCN:	NM_005623
Insert Size:	600 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 ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_005623.2.



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<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>	<u><a href="#">NM_005623.2</a></u> , <u><a href="#">NP_005614.2</a></u>
<b>RefSeq Size:</b>	1351 bp
<b>RefSeq ORF:</b>	300 bp
<b>Locus ID:</b>	6355
<b>UniProt ID:</b>	<u><a href="#">P80075</a></u>
<b>Cytogenetics:</b>	17q12
<b>Domains:</b>	IL8
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway
<b>Gene Summary:</b>	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 N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils. By recruiting leukocytes to sites of inflammation this cytokine may contribute to tumor-associated leukocyte infiltration and to the antiviral state against HIV infection. [provided by RefSeq, Sep 2014]