

Product datasheet for SC116797

MCP4 (CCL13) (NM_005408) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCP4 (CCL13) (NM_005408) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCP4
Synonyms:	CKb10; MCP-4; NCC-1; NCC1; SCYA13; SCYL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116797 sequence for NM_005408 edited (data generated by NextGen Sequencing) ATGAAAGTCTCTGCAGTGCTTCTGTGCCTGCTGCTCATGACAGCAGCTTTCAACCCCGAG GGACTTGCTCAGCCAGATGCACTCAACGTCCCATCTACTTGCTGCTTCACATTTAGCAGT AAGAAGATCTCCTTGCAAGGCTGAAGAGCTATGTGATCACCACCAGCAGGTGTCCCGAG AAGGCTGTCTCTCAGAACCAACTGGGCAAGGAGATCTGTGCTGACCCAAAGGAGAAG TGGGTCCAGAATTATATGAAACACCTGGGCCGGAAGCTCACACCCTGAAGACTTGA Clone variation with respect to NM_005408.2 >OriGene 5' read for NM_005408 unedited TGTCAGCATTTGTATACGACTCACTATAGCGGCCGCGAATCCCGGNAATCGTCGACCC ACGCGTCCGAAGAAACATTGTGAAATCTCAACTCTTAACCTTCAACATGAAAGTCTCTG CAGTGCTTCTGTGCCTGCTGCTCATGACAGCAGCTTTCAACCCCGAGGACTTGCTCAGC CAGATGCACTCAACGTCCCATCTACTTGCTGCTTCACATTTAGCAGTAAGAAGATCTCT TGCAGAGGCTGAAGAGCTATGTGATCACCACCAGCAGGTGTCCCGAGAAGGCTGTCTCT TCAGAACCAAACTGGGCAAGGAGATCTGTGCTGACCCAAAGGAGAAGTGGGTCCAGAATT ATATGAAACACCTGGGCCGGAAGCTCACACCCTGAAGACTTGAAGTCTGCTACCCCTAC TGAAATCAAGCTGGAGTACGTGAAATGACTTTTCCATTCTCTCTGCGCTCTCTCTAT GCTTTGGAATACTTCTACCATAATTTTCAAATAGGATGCATTGCTTTTGTGATTCAAAA TGTACTATGTGTTAAGTAATATTGGCTATTATTGACTTGTGCTGGTTTGGAGTTTATT TGAGTATTGCTGATCTTTTCTAAAGCAAGGCCTTGAGCAAGTAGGTTGCTGTCTTAAGC CCCCTTCCCTTCCACTATGAGCTGCTGGCAGTGGGTTTGTATTGCTTCCAGGGGTTGA GAGCATGCCTGTGGGAGTCATGGACATGAAGGATGCTGCAATGTAAGAAGGAGAGCTCT TTGTGAATGTGAAGTGTGCTAAATATGTTATTGTGGAAGAGAATGCAATAGTAGGACT GCTGACATTTTGCAGAAAATACATTTAATTTAAATCTCCTAAAAAN
5' Read Nucleotide Sequence:	
Restriction Sites:	Please inquire



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ACCN:	NM_005408
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).
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:	<u>NM_005408.2, NP_005399.1</u>
RefSeq Size:	861 bp
RefSeq ORF:	297 bp
Locus ID:	6357
UniProt ID:	<u>Q99616</u>
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway
Gene Summary:	This antimicrobial gene is one of several Cys-Cys (CC) cytokine genes clustered on the q-arm of chromosome 17. 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 displays chemotactic activity for monocytes, lymphocytes, basophils and eosinophils, but not neutrophils. This chemokine plays a role in accumulation of leukocytes during inflammation. It may also be involved in the recruitment of monocytes into the arterial wall during atherosclerosis. [provided by RefSeq, Sep 2014]