

Product datasheet for SC122685

Macrophage Inflammatory Protein 3 alpha (CCL20) (NM_004591) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Macrophage Inflammatory Protein 3 alpha (CCL20) (NM_004591) Human Untagged Clone
Tag:	Tag Free
Symbol:	Macrophage Inflammatory Protein 3 alpha
Synonyms:	CKb4; Exodus; LARC; MIP-3-alpha; MIP-3a; MIP3A; SCYA20; ST38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001130046 edited

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AGAATATAACAGCACTCCCAAAGAACTGGGTACTCAACTGAGCAGATCTGTTCTTTGA
GCTAAAAACCATGTGCTGTACCAAGAGTTTGCTCCTGGCTGCTTTGATGTCAGTGCTGCT
ACTCCACCTCTGCGGCGAATCAGAAGCAAGCAACTTTGACTGCTGCTTGGATACACAGA
CCGTATTCTTCATCCTAAATTTATTGTGGGCTTACACGGCAGCTGGCCAATGAAGGCTG
TGACATCAATGCTATCATCTTTCACACAAAGAAAAAGTTGTCTGTGTGCGCAAATCCAAA
ACAGACTTGGGTGAAATATATTGTGCGTCTCCTCAGTAAAAAGTCAAGAACATGTAAAA
ACTGTGGCTTTTCTGGAATGGAATTGGACATAGCCCAAGAACAGAAAGAACCTTGCTGGG
GTTGGAGGTTTCACTTGCACATCATGGAGGTTTGTGCTTATCTAATTTGTGCCTCACT
GGACTTGTCCAATTAATGAAGTTGATTCATATTGCATCATAGTTTGTGTTTAAAGCAT
CACATTAAGTTAACTGTATTTTATGTTATTTATAGCTGTAGGTTTTCTGTGTTTAGCT
ATTTAATACTAATTTTCCATAAGCTATTTTGGTTTAGTGCAAAGTATAAAATTATATTTG
GGGGGAATAAGATTATATGGACTTTCTTGCAAGCAACAAGCTATTTTTAAAAAACTA
TTTAACATTCTTTTGTATATTGTTTGTCTCCTAAATTGTTGTAATTGCATTATAAAA
TAAGAAAAATATTAATAAGACAAATATTGAAAATAAGAAACAAAAAGCTAAAAA
AAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004591 unedited TTCAAATTATGTATACGACTCATATAGGCGGCCGACGAATTCGCCATTACGGCCGGGGAG TATATAACAGCACTCCCAAAGAAGTGGTACTCAACACTGAGCAGATCTGTTCTTTGAGC TAAAAACCATGTGCTGTACCAAGAGTTTCTCCTGGCTGCTTTGATGTCAGTGTGCTAC TCCACCTCTGCGGCGAATCAGAAGCAAGCAACTTTGACTGCTGTCTTGGATACACAGACC GTATTCTTCATCCTAAATTTATTGTGGGCTTACACGGCAGCTGGCCAATGAAGGCTGTG ACATCAATGCTATCATCTTTACACAAAAGAAAAAGTTGTCTGTGTGCGCAAATCCAAAAC AGACTTGGGTGAAATATATTGTGCGTCTCCTCAGTAAAAAAGTCAAGAACATGAAAAAC TGTGGCTTTTCTGGAATGGAATTGGACATAGCCCAAGAACAGAAAGAACCTTGCTGGGGT TGGAGGTTTCACTTGACATCATGGAGGTTTAGTGCTTATCTAATTTGTGCCTCACTGG ACTTGTCCAATTAATGAAGTTGATTCATATTGCATCATAGTTTGTGTTTAAAGCATCA CATTAAAGTTAACTGTATTTTATGTTATTTATAGCTGTAAGTTTCTGTGTTTAGCTAT TTAATACTAATTTTTCATAAGCTATTTTGGTTTAGTGCANAGTATANAATTATATTTGGG GGGGGAATAAAGATATATGGGGACTTCTGCAAGCAACAAGCTATTTTTTAAAAAATAT TTAAACAATCTTTAGTTAATATAGGNTTGGCNCNAAATTTGTGTAATTGGCATATNAAA TAAGAAAAAATATTATAAGACAAATATTGAAATAAAGAAACAAAGCTNNNNNAAAAANNN NAAAAAAAAAAAAACATGTNGGCCGCTGGCCCCTGACTCTTGTGCGGCC
Restriction Sites:	Please inquire
ACCN:	NM_004591
Insert Size:	1000 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<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:	<u>NM_004591.1</u> , <u>NP_004582.1</u>
RefSeq Size:	799 bp
RefSeq ORF:	291 bp
Locus ID:	6364
UniProt ID:	<u>P78556</u>
Cytogenetics:	2q36.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary: This antimicrobial gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The protein encoded by this gene displays chemotactic activity for lymphocytes and can repress proliferation of myeloid progenitors. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).