

Product datasheet for **SC118643**

MIG (CXCL9) (NM_002416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIG (CXCL9) (NM_002416) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIG
Synonyms:	CMK; crg-10; Humig; MIG; SCYB9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118643 sequence for NM_002416 edited (data generated by NextGen Sequencing) ATGAAGAAAAGTGGTGTCTTTTCTCTTGGGCATCATCTTGCTGGTTCTGATTGGAGTG CAAGGAACCCAGTAGTGAGAAAGGTCGCTGTTCTGCATCAGCACCAACCAAGGGACT ATCCACCTACAATCCTTGAAAGACCTTAAACAATTTGCCCAAGCCCTTCTGCGAGAAA ATTGAAATCATTGCTACACTGAAGAATGGAGTTCAAACATGTCTAAACCCAGATTCAGCA GATGTGAAGGAAGTATTAAAAAGTGGGAGAAACAGGTCAGCCAAAAGAAAAAGCAAAG AATGGGAAAAAACATCAAAAAAGAAAGTTCTGAAAGTTCGAAAATCTCAACGTTCTCGT CAAAAGAAGACTACATAA

Clone variation with respect to NM_002416.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002416 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGATCCAATACAGGAGTG ACTTGGAACTCCATTCTATCACTATGAAGAAAGTGGTGTCTTTTCTCTTGGGCATCAT CTTGCTGGTTCTGATTGGAGTGAAGGAACCCAGTAGTGAGAAAGGGTCGCTGTTCTCTG CATCAGCACCAACCAAGGGACTATCCACCTACAATCCTTGAAAGACCTTAAACAATTTGC CCCAAGCCCTTCTGCGAGAAAATTGAAATCATTGCTACACTGAAGAATGGAGTTCAAAC ATGTCTAAACCCAGATTCAGCAGATGTGAAGGAAGTATTAAGGAGTGGGAGAAACAGGT CAGCCAAAAGAAAAGCAAAAAGAATGGGAAAAACATCAAAAAAGAAAGTTCTGAAAGT TCGAAAATCTCAACGTTCTCGTCAAAAAGAGACTACATAAGAGACCACCTCACCAATAAG TATTCTGTGTTAAAAATGTTCTATTTTAAATTATACCGCTATCATTCCAAAGGAGGATGGC ATATAATACAAAGGCTTATTAATTTGACTAGAAAATTTAAACATTACTCTGAAATTGTA ACTAAAGTTAGAAAGTTGATTTTAAAGAATCCAAACGTTAAGAATTGTTAAAGGCTATGAT TGTCTTTGTTCTCTACCACCCACCAGTTGAATTCATCATGCTTAAGGCCATGATTTTA GCAATACCCATGTCTACACAGATGTTACCCAACCACATNCCACTCACAACAGCTGCCTG GAAGAGCAGCCCTAGGCTTTACGTAAGTGCAGCCTCCAGAGATATCTGAGCACATGTCAG CAGTCCTAAGCTGTTACATGCTGGGAGCCAGCAGTTTGAATGAAGTGGACTCACCAGCTG CTGTGGCATCAACTCTGTATTGAATCACCTACAGGCTCACACATGTGTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002416 unedited CCGCATTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCTGATTAATGGTCTATTTATTGAT ACCATTCTATTTTAAACAAAGAAAATATTTCAAATTACAAGGTATACAAGTCAATACTGTT TTGAAGTGAATAATTTGCTTTGAGAGTGTATGCATGTATGTATATATATGATAAATG ATTATAACGTGTGTGTCAGTGACAATATGTAGTCTTTGGTTGTTAGTTATATACTGTCTA CCTGTGAGATGCAAGGTAAGTGGGTCACAGACTCTCAAATTTATGAAACACTTAGATTTT TCAGGGAAGTTACATGAAGGAACTAGGGAGTTTCATGATTAGATAAGACGTTCCGGTGGG ATCTCCACCGGACAGCACTCTAAATCATCAGCAGTGTGAGCGGTGATTCAATTTGGGAAA GTGAGTATAGGTTTAAATTTCTGGCCACAGACAACCTCTCTACACAATTCAGTGAACCTC CCCTGGAAGGAGGTTCCACATCCTGCAGAGGCTAACTGGGCACCAATCATGCTTCCACT AACCGACTTGGCTGCTTCTCTAGCGCTTAGTACTTACCCTTCCCTTTCTTTCATGGGAG ATGGTGTGGTAATTGATAATAACAATAACAACCTGAAACAAGTTAACGGACAATAAATCT CATATTTGCCCTAAAATGAGTCTCCGATAAAGATTCTCGGAGGGCTATCCTGTTAAATTC TTAAAAAAGCTGACGGCTTATTGAGAAAAGCCCTTTTTTCTTCCGGGAAAAGAAATCTT TGTTATGGGTTGGGAAAAGGGTTGGGCACTCGGCTGACTCTATAAAGCCTTTTCACTTG AAAAATTATTTGACTCTCCGGGTAAGTGTATTTCTTTTAAATACCAGCCACAATATTCC CCAGTGGTTTTACCCCGGCTTCTTATTGTTGGGAGAACGGACACAACATTCTGTTCTT AACAGACAAGGAGTCCGCTCTCCCTCGCCCCCTGTAGGACGCCCGNAAAAATAATAAC AGGTCCCAAGCCTCCAC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002416
Insert Size:	2320 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).
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_002416.1](#), [NP_002407.1](#)

RefSeq Size: 2545 bp

RefSeq ORF: 378 bp

Locus ID: 4283

UniProt ID: [Q07325](#)

Cytogenetics: 4q21.1

Domains: IL8

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

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

Gene Summary: This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded is thought to be involved in T cell trafficking. The encoded protein binds to C-X-C motif chemokine 3 and is a chemoattractant for lymphocytes but not for neutrophils. [provided by RefSeq, Aug 2020]