

## Product datasheet for SC119210

### CXCR3 (NM\_001504) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR3 (NM_001504) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXCR3
Synonyms:	CD182; CD183; CKR-L2; CMKAR3; GPR9; IP10-R; Mig-R; MigR
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001504 edited  
GAATTCGGCACCAGCAGCACACCACCCAGCAGCCAGAGCACCAGCCCAGCCATGGTCCTT  
GAGGTGAGTGACCACCAAGTGCTAAATGACGCCGAGGTTGCCGCCCTCCTGGAGAACTTC  
AGCTCTTCCTATGACTATGGAGAAAACGAGAGTGACTCGTGCTGTACCTCCCCGCCCTGC  
CCACAGGACTTCAGCCTGAACCTCGACCCGGCCTTCTGCCAGCCCTCTACAGCCTCCTC  
TTTCTGCTGGGGCTGCTGGGCAACGGCGCGGTGGCAGCCGTGCTGCTGAGCCGGCGGACA  
GCCCTGAGCAGCACCGACACCTTCTGCTCCACCTAGCTGTAGCAGACACGCTGCTGGTG  
CTGACACTGCCGCTCTGGGCAGTGGACGCTGCCGTCCAGTGGGTCTTTGGCTCTGGCCTC  
TGCAAAGTGGCAGGTGCCCTCTTCAACATCAACTTCTACGCAGGAGCCCTCCTGTGGCC  
TGCATCAGCTTTGACCGTACCTGAACATAGTTCATGCCACCCAGCTCTACCGCCGGGG  
CCCCCGGCCCGGTGACCCTCACCTGCCTGGCTGTCTGGGGGCTCTGCCTGCTTTTCGCC  
CTCCCAGACTTCACTTCTGCTGGGCCACCACGACGAGCGCCTCAACGCCACCCACTGC  
CAATAAACTTCCACAGGTGGGCCGACGGCTCTGCGGGTGTGCAGCTGGTGGCTGGC  
TTTCTGCTGCCCTGCTGGTCATGGCTACTGCTATGCCACATCCTGGCCGTGCTGCTG  
GTTTCCAGGGCCAGCGCGCCTGCGGGCCATGCGGCTGGTGGTGGTGGTGGTGGTGGCC  
TTTGCCCTCTGCTGGACCCCTATCACCTGGTGGTGTGGTGGACATCCTCATGGACCTG  
GGCGCTTTGGCCCGCAACTGTGGCCGAGAAAGCAGGGTAGACGTGGCCAAGTCCGGTACC  
TCAGGCCCTGGGCTACATGCACTGCTGCCTCAACCCGCTGCTCTATGCCTTTGAGGGGT  
AAGTTCGGGAGCGGATGTGGATGCTGCTTTCGCCCTGGGCTGCCCAACCAGAGAGGG  
CTCCAGAGGCAGCCATCGTCTTCCCGCCGGGATTCATCCTGGTCTGAGACCTCAGAGGCC  
TCCTACTCGGGCTTGTGAGGCCGAATCCGGGCTCCCTTTGCCACAGTCTGACTTCC  
CCGATTCAGGCTCCTCCCTCCCTCTGCCGGCTCTGGCTCTCCCAATATCCTCGCTCC  
CGGACTCACTGGCAGCCCGCAGCACACCAGGTCTCCCGGAAGCCACCCTCCAGTCT  
GAGGACTGCACCAATTGCTGCTCCTTAGCTGCCAAGCCCATCCTGCCCGCCGAGGTGGT  
GCCTGGAGCCCCACTGCCCTTCTCATTGGAACTAAAATTCATCTTCCCAAGTGGCG  
GGAGTACAAGGCATGGCGTAGAGGGTGTGCCCATGAAGCCACAGCCAGGCCCTCCAGC  
TCAGCAGTGACTGTGGCCATGGTCCCAAGACCTCTATATTTGCTCTTTATTTTATGT  
CTAAAATCCTGCTAAAATTTTCAATAAAACAAGATCGTCAGGAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_001504 unedited  
AGGGGCAACCACNNTCCCCCCCCCGTTCAAATTTGTATACGACTCACTATAGGGCC  
CGGAATTCGCACCAGCAGCACACCACCCAGCAGCCAGAGCACCAGCCCAGCCATGGTCC  
TTGAGGTGAGTGACCACCAAGTGCTAAATGACGCCGAGGTTGCCGCCCTCCTGGAGA  
TCACTCTTCCTATGACTATGGAGAAAACGAGAGTGACTCGTGCTGTACCTCCCCGCCCT  
GCCACAGGACTTCAGCCTGAACCTCGACCCGGCCTTCTGCCAGCCCTCTACAGCCTCC  
TCTTTCTGCTGGGGCTGCTGGGCAACGGCGCGGTGGCAGCCGTGCTGCTGAGCCGGCGGA  
CAGCCCTGAGCAGCACCGACACCTTCTGCTCCACCTAGCTGTAGCAGACACGCTGCTGG  
TGCTGACACTGCCGCTCTGGGCAGTGGACGCTGCCGTCCAGTGGGTCTTTGGCTCTGGCC  
TCTGCAAAGTGGCAGGTGCCCTTCAACATCAACTTCTACGCAGGAGCCCTCCTGTGG  
CCTGCATCAGCTNTGACCGTACCTGAACATAGTTCATGCCACCCAGCTTACCGCCGGN  
GGCCCCGGCCCGGTGACCCTCACCTGCCTGGTGTCTGGNGGCTCTGCCTGCTTTTCG  
CCCTCCCAGACTTCACTTCTGTNCGCCACCACGACGAGCGCCTCAACGCCACCCACT  
GNCAATAAACTTCCACAGGTGGGCCGACGGCTCTGCGGNTGCTGCAACTGGTGCCTT  
GGCTTTCTGCTGCCCTGCTGGTCATGGCTACTGCTATGCCACATCCTGGCCGTGCTG  
CNTGGNTTTCAGGGGCCAGCGCCCTGCGGGCATGCGGCTTGTNGTGGNGGGCCCTGG  
TGGCCTTTGCCTTCTGCTGGNACCCCTCCACCTGTGGNGCCTGGGGACACTNCTCATGG  
ACCTGGNGCCTTTGGCCGGCACCGTGGGCG



**Gene Summary:**

This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration.

Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716). [provided by RefSeq, Jun 2011]

Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1 (also known as CXCR3-A). This isoform functions as a receptor for chemokines CXCL9/Mig, CXCL10/IP-10, and CXCL11/I-TAC (PMID:12782716).