

Product datasheet for **RG206596**

CXCR3 (NM_001504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR3 (NM_001504) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CXCR3
Synonyms:	CD182; CD183; CKR-L2; CMKAR3; GPR9; IP10-R; Mig-R; MigR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206596 representing NM_001504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCTTGAGGTGAGTGACCACCAAGTCTAAATGACGCCGAGGTTGCCGCCCTCTGGAGAACTTCA
GCTCTTCTATGACTATGGAGAAAACGAGAGTGACTCGTGCTGTACCTCCCCGCCCTGCCACAGGACTT
CAGCCTGAACTTCGACCGGGCCTTCTGCCAGCCCTCTACAGCCTCCTTTCTGCTGGGGCTGCTGGC
AACGGCGCGGTGGCAGCCGTGCTGCTGAGCCGGCGGACAGCCCTGAGCAGCACCGACACCTTCTGCTCC
ACCTAGCTGTAGCAGACAGCTGCTGGTGTGACTGCGCTCTGGGCAGTGGACGCTGCCGTCCAGTG
GGTCTTTGGCTCTGGCCTCTGCAAAGTGGCAGGTGCCCTTTCAACATCAACTTCTACGCAGGAGCCCTC
CTGCTGGCCTGCATCAGCTTTGACCGCTACCTGAACATAGTTTCATGCCACCCAGCTCTACCGCCGGGGC
CCCCGGCCCGCTGACCCTCACCTGCCTGGCTGTCTGGGGGCTCTGCCTGCTTTTCGCCCTCCCAGACTT
CATCTTCTGTGCGGCCACCACGACGAGCGCCTCAACGCCACCCACTGCCAATACAACCTCCCACAGGTG
GGCCGACGGCTCTGCGGGTGTGACGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCATGGCCTACT
GCTATGCCACATCCTGGCCGTGCTGCTGGTTTCCAGGGGCCAGCGGCCTGCGGGCCATGCGGCTGGT
GGTGGTGGTGTGGTGGCCTTTGCCCTGTGCTGGACCCCTATCACCTGGTGGTGTGGTGGACATCCTC
ATGGACCTGGGCGCTTTGGCCGCAACTGTGGCCGAGAAAGCAGGGTAGACGTGGCCAAGTCGGTCACTC
CAGGCCTGGGCTACATGCACTGCTGCCTCAACCGCTGCTCTATGCCTTTGTAGGGTCAAGTTCGGGA
GCGGATGTGGATGCTGCTTGGCCTGGGCTGCCCAACAGAGAGGGTCCAGAGGCAGCCATCGTCT
TCCCGCCGGGATTCATCCTGGTCTGAGACCTCAGAGGCCTCTACTCGGGCTTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_001504.2](#)

RefSeq Size: 1670 bp

RefSeq ORF: 1107 bp

Locus ID: 2833

UniProt ID: [P49682](#)

Cytogenetics: Xq13.1

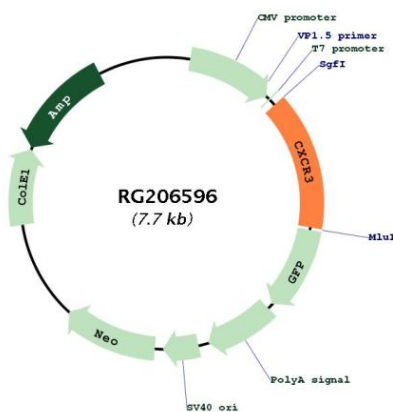
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

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

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]

Product images:



Circular map for RG206596