

Product datasheet for **RC206596**

CXCR3 (NM_001504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR3 (NM_001504) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CXCR3
Synonyms:	CD182; CD183; CKR-L2; CMKAR3; GPR9; IP10-R; Mig-R; MigR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206596 representing NM_001504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCTTGAGGTGAGTGACCACCAAGTGCTAAATGACGCCGAGGTTGCCGCCCTCTGGAGAACTTCA
GCTCTTCTATGACTATGGAGAAAACGAGAGTGACTCGTGCTGTACCTCCCCGCCCTGCCACAGGACTT
CAGCCTGAACTTCGACCGGGCTTCTGCCAGCCCTACAGCCTCCTTTCTGCTGGGGCTGCTGGC
AACGGCGCGGTGGCAGCCGTGCTGCTGAGCCGGCGGACAGCCCTGAGCAGCACCGACACCTTCTGCTCC
ACCTAGCTGTAGCAGACAGCTGCTGGTGTGACTGCGCTCTGGGCAGTGGACGCTGCCGTCCAGTG
GGTCTTTGGCTCTGGCCTCTGAAAGTGGCAGGTGCCCTTTCAACATCAACTTCTACGCAGGAGCCCTC
CTGCTGGCCTGCATCAGCTTTGACCGCTACCTGAACATAGTTTCATGCCACCCAGCTTACCGCCGGGGC
CCCCGGCCCGCTGACCTCACCTGCCTGGCTGTCTGGGGCTCTGCCTGCTTTTCGCCCTCCCAGACTT
CATCTTCTGTGCGGCCACACGACGAGCGCTCAACGCCACCCACTGCCAATACAACCTCCCACAGGTG
GGCCGACGGCTCTGCGGGTGTGACGCTGGTGGCTGGCTTTCTGCTGCCCTGCTGGTCATGGCCTACT
GCTATGCCACATCCTGGCCGTGCTGCTGGTTCCAGGGGCCAGCGCGCCTGCGGGCCATGCGGCTGGT
GGTGGTGGTGTGGTGGCTTTGCCCTGTGCTGGACCCCTATCACCTGGTGGTGTGGTGGACATCCTC
ATGGACCTGGGCGCTTTGGCCGCAACTGTGGCCGAGAAAGCAGGGTAGACGTGGCCAAGTCGGTCACCT
CAGGCCTGGGCTACATGCACTGCTGCCTCAACCGCTGCTCTATGCCTTTGTAGGGTCAAGTTCGGGA
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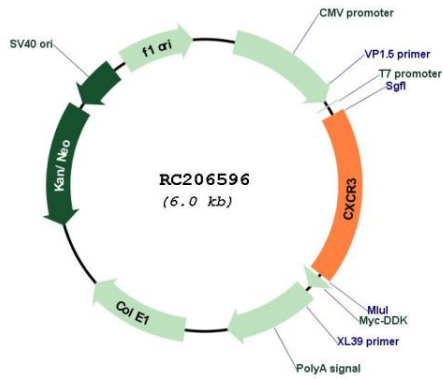
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



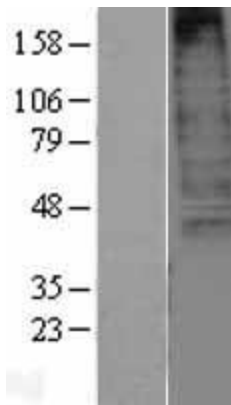
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
MW:	40.5 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC206596



Western blot validation of overexpression lysate (Cat# [LY400578]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206596 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).