

## Product datasheet for RC202069

### CXCR4 (NM\_003467) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR4 (NM_003467) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CXCR4
Synonyms:	CD184; D2S201E; FB22; HM89; HSY3RR; LAP-3; LAP3; LCR1; LESTR; NPY3R; NPYR; NPYRL; NPY3R; WHIM; WHIMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202069 representing NM_003467 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGGGGATCAGTATATACACTTCAGATAACTACACCGAGGAAATGGGCTCAGGGGACTATGACTCCA  
TGAAGGAACCTGTTCCGTGAAGAAAATGCTAATTTCAATAAAATCTTCTGCCACCCTACTCCAT  
CATCTTCTTAAGTGGCATTGTGGCAATGGATTGGTCATCCTGGTCATGGGTTACCAGAAGAAACTGAGA  
AGCATGACGGACAAGTACAGGCTGCACCTGTCAGTGGCCGACCTCCTCTTGTATCAGCCTTCCCTTCT  
GGCAGTTGATGCCGTGGCAAATGGTACTTTGGGAATTCCTATGCAAGGCAGTCCATGTCATCTACAC  
AGTCAACCTCTACAGCAGTGTCTCATCTGGCCTTCATCAGTCTGGACCGCTACCTGGCCATCGTCCAC  
GCCACCAACAGTCAGAGGCCAAGGAAGCTGTTGGCTGAAAAGGTGGTCTATGTTGGCGTCTGGATCCCTG  
CCCTCTGCTGACTATCCCGACTTCATCTTTGCCAACGTCAGTGAGGCAGATGACAGATATATCTGTGA  
CCGCTTACCCCAATGACTTGTGGGTGGTGTGTTCCAGTTTCAGCACATCATGTTGGCCTTATCCTG  
CCTGGTATTGTATCCTGTCTGCTATTGCATTATCATCTCCAAGCTGTCACACTCCAAGGGCCACCAGA  
AGCGCAAGGCCCTCAAGACCACAGTCACTCATCTCCTGGCTTCTTCGCCTGTTGGCTGCCTTACTACAT  
TGGGATCAGCATCGACTCCTTCACTCCTGGAATCATCAAGCAAGGGTGTGAGTTTGAGAACACTGTG  
CACAAGTGGATTCCATCACCAGGGCCCTAGCTTTCTTCCACTGTTGTCTGAACCCCATCCTCTATGCTT  
TCCTTGGAGCCAAATTTAAAACCTCTGCCAGCACGCACTCACCTCTGTGAGCAGAGGGTCCAGCCTCAA  
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TCCAGC

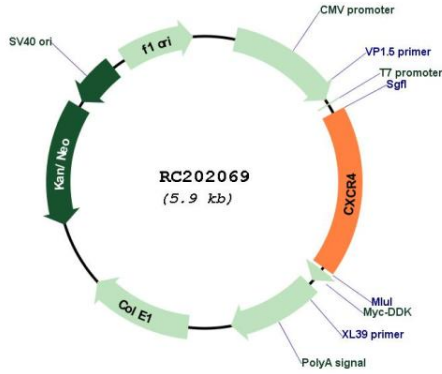
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



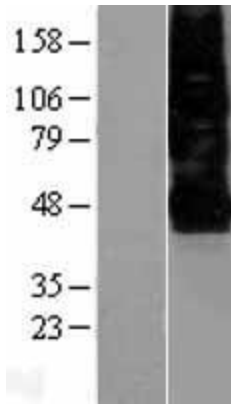


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_003467.3</a>
<b>RefSeq Size:</b>	1691 bp
<b>RefSeq ORF:</b>	1059 bp
<b>Locus ID:</b>	7852
<b>UniProt ID:</b>	<a href="#">P61073</a>
<b>Cytogenetics:</b>	2q22.1
<b>Domains:</b>	7tm_1
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane
<b>Protein Pathways:</b>	Axon guidance, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Leukocyte transendothelial migration
<b>MW:</b>	39.6 kDa
<b>Gene Summary:</b>	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202069



Western blot validation of overexpression lysate (Cat# [LY401174]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202069 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).