

## Product datasheet for **RG210737**

### **CXCR5 (NM\_032966) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR5 (NM_032966) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CXCR5
Synonyms:	BLR1; CD185; MDR15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210737 representing NM_032966 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCCTTCAAGGCCGTGTTCTGTGCCCGTGGCCTACAGCCTCATCTTCTCCTGGGCGTGATCGGCA  
ACGTCCTGGTGTGGTGATCCTGGAGCGGCACCGCAGACACGCAGTCCACGGAGACCTTCTGTTCCA  
CCTGGCCGTGGCCGACCTCCTGTGGTCTTCATCTTGCCTTTGCCGTGGCCGAGGGCTCTGTGGGCTGG  
GTCCTGGGACCTTCTCTGCAAACTGTGATTGCCCTGCACAAAGTCAACTTCTACTGCAGCAGCCTGC  
TCCTGGCCTGCATCGCCGTGGACCGCTACCTGGCCATTGTCCACGCCGTCCATGCCTACCGCCACCGCCG  
CCTCCTCTCCATCCACATCACCTGTGGGACCATCTGGCTGGTGGGCTTCTCCTTGCCTTGCCAGAGATT  
CTCTTCGCCAAAGTCAGCCAAGGCCATCACAACAACTCCCTGCCACGTTGCACCTTCTCCCAAGAGAACC  
AAGCAGAAACGCATGCCTGGTTCACCTCCCGATTCTCTACCATGTGGCGGGATTCTGTGCCATGCT  
GGTGATGGGCTGGTGCTACGTGGGGTAGTGACAGGTTGCGCCAGGCCAGCGGCGCCCTCAGCGGCAG  
AAGGCAGTCAGGGTGGCCATCCTGGTGACAAGCATCTTCTTCTCTGTGGTCAACCCTACCACATCGTCA  
TCTTCTGGACACCCTGGCGAGGCTGAAGGCCGTGGACAATACCTGCAAGCTGAATGGCTCTCTCCCGT  
GGCCATCACCATGTGTGAGTTCCTGGGCTGGCCACTGCTGCCTCAACCCATGCTCTACACTTTCGCC  
GGCGTGAAGTTCGCAGTGACCTGTCGGGCTCCTGACGAAGCTGGGCTGTACCGGCCCTGCCTCCCTGT  
GCCAGCTCTTCCCTAGCTGGCGCAGGAGCAGTCTCTGAGTCAGAGAATGCCACCTCTCTACCCAGTT  
C

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210737 representing NM\_032966  
 Red=Cloning site Green=Tags(s)

MASFKAVFVPVAYSLIFLLGVIGNVLVILERHRQTRSSTETFLFHLAVADLLLVFILPFAVAEGSVGW  
 VLGTFLLCKTVIALHKVNFYCSSLLLACIADVRYLAIVHAVHAYRHRLLSIHITCGTIWL VGFLALPEI  
 LFAKVSQGHNNLSLPRCTFSQENQAETHAWFTSRFLYHVAGFLLPMLVMGWCVGVVHRLRQAQRPPQRQ  
 KAVRVAAILVTSIFFLWCSPYHIVIFLDTLARLKAVDNTCKLNGSLPVAITMCEFLGLAHCCLNPMPLYTFA  
 GVKFRSDLRLLTKLGCTGPASLCQLFPSWRRSSLSESENATSLTTF

TRTRPLE - GFP Tag - V

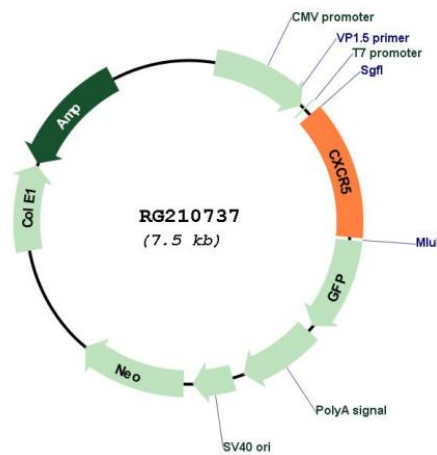
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_032966

**ORF Size:** 981 bp

<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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>RefSeq:</b>	<a href="#">NM_032966.2</a> , <a href="#">NP_116743.1</a>
<b>RefSeq Size:</b>	2896 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	643
<b>UniProt ID:</b>	<a href="#">P32302</a>
<b>Cytogenetics:</b>	11q23.3
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>Gene Summary:</b>	This gene encodes a multi-pass membrane protein that belongs to the CXC chemokine receptor family. It is expressed in mature B-cells and Burkitt's lymphoma. This cytokine receptor binds to B-lymphocyte chemoattractant (BLC), and is involved in B-cell migration into B-cell follicles of spleen and Peyer patches. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]