

Product datasheet for **SC102158**

CXCR5 (NM_032966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR5 (NM_032966) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXCR5
Synonyms:	BLR1; CD185; MDR15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_032966 edited
CCTCTCAACATAAAGACAGTGACCAGTCTGGTGACTCACAGCCGGCACAGCCATGAACTAC
CCGCTAACGCTGGAAATGGACCTCGAGAACCTGGAGGACCTGTTCTGGGAACTGGACAGA
TTGGACAACTATAACGACACCTCCCTGGTGAAATCATCTCTGCCCTGCCACAGAGGGG
CCCCTCATGGCCTCCTCAAGGCCGTGTTCTGTCGCCGTGGCCTACAGCCTCATCTTCCTC
CTGGGCGTGATCGGCAACGTCTGGTGCTGGTGATCCTGGAGCGGCACCGGCAGACACGC
AGTTCACGGAGACCTTCTGTTCACCTGGCCGTGGCCGACCTCCTGCTGGTCTTCATC
TTGCCCTTTGCCGTGGCCGAGGGCTCTGTGGGCTGGGTCTCTGGGACCTTCTCTGCAAA
ACTGTGATTGCCCTGCACAAAGTCAACTTCTACTGCAGCAGCCTGCTCCTGGCCTGCATC
GCCGTGGACCGCTACCTGGCATTGTCCACGCCGTCCATGCCTACCGCCACCGCCGCTC
CTCTCCATCCACATCACCTGTGGGACCATCTGGCTGGTGGGCTTCTCCTTGCCCTTGCCA
GAGATTCTCTCGCCAAAGTCAGCCAAGGCCATCACAACAACCTCCCTGCCACGTTGCACC
TTCTCCAAGAGAACCAAGCAGAAACGCATGCCTGGTTCACCTCCCGATTCTCTACCAT
GTGGCGGGATTCTGCTGCCATGCTGGTGATGGGCTGGTGTACGTGGGGGTAGTGCAC
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GTGACAAGCATCTTCTCTGCTGGTACCCTACCACATCGTATCTTCTGGACACC
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CACCGTGGCTAAGAGTGTCTAGGAGTATCTCATTTGGGGTAGCTAGAGGAACCAACCC
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TGCAGTCACTTGACCAAGCAGGAAGCTCAGACTGTTGAGTTTCAAGTGTAGCTGCCCTGG
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AGGGCTGACTCTAGGTGCCCTTGGAGGCCAGCCAGTGACCTGAGGAAGCGTGAAGCCGA
GAAGCAAGAAAGAAACCCGACAGAGGGAAGAAAAGAGCTTTCTTCCCGAACCCCAAGGAG
GGAGATGGATCAATCAAACCCGGCGGTCCCCTCCGCCAGGCGAGATGGGGTGGGGTGGAG
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GGAACGGAGAAAGGTGGACTGGAAGGGGCCCGTGGGAGTCATCTCAACCATCCCCTCCGT
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CAGGAAGCCGTGCCCTGCCCCGTGAGGATGTCACTCAGATGGAACCGCAGGAAGCTGCT
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ACCACCTCCCCAGCCTTTGATCAGGTGGGGAGTCAGGGACCCCTGCCCTTGTCCACTCA
AGCCAAGCAGCCAAGCTCCTTGGGAGGCCCACTGGGAAATAACAGCTGTGGCTCACGT
GAGAGTGTCTTACGGCAGGACAACGAGGAAGCCCTAAGACGTCCCTTTTTTCTCTGAGT
ATCTCCTCGAAGCTGGGTAATCGATGGGGGAGTCTGAAGCAGATGCAAAGAGGCAAGAG
GCTGGATTTTGAATTTTCTTTTAAATAAAAAGGCACCTATAAAACAGGTCAATACAGTAC
AGGCAGCACAGAGACCCCGGAACAAGCCTAAAAATTGTTTCAAATAAAAACCAAGAAG
ATGTCTTC
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032966 unedited TCGGGATTGNTATACGACTCACTATAGGGCGGCACGCGAATTCGCACCAGGAAGCCTCT CAACATAAGACAGTGACCAGTCTGGTGACTCACATCCGGCACAGCCATGAACTACCCGCT AACGCTGGAAATGGACCTCGAGAACCTGGAGGACCTGTTCTGGGAACTGGACAGATTGGA CAACTATAACGACACCTCCCTGGTGGAAAATCATCTCTGCCCTGCCACAGAGGGGCCCT CATGGCCTCCTCAAGGCCGTGTTCTGCCCCGTGGCCTACAGCCTCATCTTCTCCTGGG CGTGATCGGCAACGTCTGGTGCTGGTGATCCTGGAGCGGCACCCGCAGACACGCAGTTC CACGGAGACCTTCTGTTCCACCTGGCCGTGGCCGACCTCTGCTGGTCTTCATCTTGCC CTTTGCCGTGGCCGATGGCTCTGTGGGTGGGTCTGGGGACCTTCTCTGCAAAACTGT GATTGCCCTGCACAAAGTCAACTTCTACTGCAGCAGCCTGCTCCTGGCCTGCATCGCCGT GGACCGCTACCTGGCATTGTCCACGCCGTCCATGCCTACCGCCACCGNCGNCTCCTCTC CATCCACATCACCTGTGGGACCATCTGGCTGGTGGGCTTCTCCTTGCCCTGCCAGAGAT TCTCTTCGCCAAAGTCAGCCAAAGCCATCACAACAACCTCCCTGCCAGTTGCACCTTTCT CCAAGATATCCAAGCAGAAACGCATGCCTGGNTCACCTCCGATTCTCTACCATGTGGC GGGATTCTGCCTGCCATGCTGGTGATGGGCTGGTGTACCTGGGATTAAGCACAGGGT GGCCAAAGTCCATCGGCCCTCATCGGAGAAAGCAGTCAAGGTGGCATTCTGTAGAAAA CATTTCTCTTTGCTGTTACCTACACCATTGATTTCTGGAACCTGCGAAGCTGTAGC CCGGGACAATCCTGCAGCTGAATGCCTTTCCCCGG
Restriction Sites:	Please inquire
ACCN:	NM_032966
Insert Size:	2800 bp
OTI Disclaimer:	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 custsupport@origene.com 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. More info
Components:	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).
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.
RefSeq:	NM_032966.1 , NP_116743.1

RefSeq Size:	2893 bp
RefSeq ORF:	984 bp
Locus ID:	643
UniProt ID:	P32302
Cytogenetics:	11q23.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs at the 5' end compared to variant 1. This results in translation initiation from an in-frame downstream AUG, and an isoform (2) with a shorter N-terminus compared to isoform 1.</p>