

Product datasheet for **SC309454**

CXCR5 (NM_001716) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCR5 (NM_001716) 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: >OriGene sequence for NM_001716 edited
 CCTCTCAACATAAGACAGTGACCAGTCTGGTGACTCACAGCCGGCACAGCCATGAACTAC
 CCGCTAACGCTGGAAATGGACCTCGAGAACCTGGAGGACCTGTTCTGGGAACTGGACAGA
 TTGGACAACTATAACGACACCTCCCTGGTGAAATCATCTCTGCCCTGCCACAGAGGGG
 CCCCTCATGGCCTCCTCAAGGCCGTGTTCTGTCGCCGTGGCCTACAGCCTCATCTTCCTC
 CTGGGCGTGATCGGCAACGTCTGGTGATCCTGGAGCGGCACCGGCAGACACCG
 AGTTCACGGAGACCTTCTGTTCACCTGGCCGTGGCCGACCTCTGCTGGTCTTCAATC
 TTGCCCTTTGCCGTGGCCGAGGGCTCTGTGGGCTGGGTCTGGGACCTTCTCTGCAAA
 ACTGTGATTGCCCTGCACAAAGTCAACTTCTACTGCAGCAGCCTGCTCCTGGCCTGCATC
 GCCGTGGACCGCTACCTGGCATTGTCCACGCCGTCCATGCCTACCGCCACCGCCGCTC
 CTCTCCATCCACATCACCTGTGGGACCATCTGGCTGGTGGGCTTCTCCTTGCCCTTGCCA
 GAGATTCTTCGCCAAAGTCAGCCAAGGCCATCACAACAACCTCCCTGCCACGTTGCACC
 TTCTCCAAGAGAACCAAGCAGAAACGCATGCCTGGTTCACCTCCCGATTCTCTACCAT
 GTGGCGGGATTCTGCTGCCATGCTGGTGATGGGCTGGTGTACGTGGGGGTAGTGCAC
 AGGTTGCCCAGGCCAGCGGCCCTCAGCGGCAGAAGGCAGTCAGGGTGGCCATCCTG
 GTGACAAGCATCTTCTCTGCTGGTACCCTACCACATCGTATCTTCTGGACACC
 CTGGCGAGGCTGAAGGCCGTGGACAATACCTGCAAGCTGAATGGCTCTCTCCCGTGGCC
 ATCACCATGTGTGAGTTCCTGGGCTGGCCACTGCTGCCTCAACCCATGCTCTACACT
 TTCGCCGGCGTGAAGTTCGCGAGTGACCTGTGCGGGCTCTGACGAAGCTGGGCTGTACC
 GGCCCTGCCTCCCTGTGCCAGCTTCCCTAGCTGGCGCAGGAGCAGTCTCTGTGAGTCA
 GAGAATGCCACCTCTCTACCACGTTCTAGGTCCCAGTGTCCCTTTTATTGCTGCTTTT
 CCTTGGGCGAGCAGTGATGCTGGATGCTCCTTCCAACAGGAGCTGGGATCCTAAGGGCT
 CACCGTGGCTAAGAGTGTCTAGGAGTATCTCATTTGGGGTAGCTAGAGGAACCAACCC
 CCATTTCTAGAACATCCCTGCCAGCTTCTGCGGCCCTGGGGCTAGGCTGGAGCCAG
 GGAGCGGAAAGCAGCTCAAAGGCACAGTGAAGGCTGTCTTACCATCTGCACCCCTG
 GGCTGAGAGAACCTCACGCACCTCCCATCTAATCATCCAATGCTCAAGAAACAATTCT
 ACTTCTGCCCTTGCCAACGGAGAGCGCCTGCCCTCCCAGAACACACTCCATCAGCTTAG
 GGGCTGTGACCTCCACAGCTTCCCTCTCTCCTCTGCCACCTGTCAAACAAAGCCAG
 AAGCTGAGCACCAGGGGATGAGTGGAGGTTAAGGCTGAGGAAAGGCCAGCTGGCAGCAGA
 GTGTGGCCTTCGACAACCTCAGTCCCTAAAAACACAGACATTCTGCCAGGCCCAAGCC
 TGCAGTCACTTGACCAAGCAGGAAGCTCAGACTGGTTGAGTTTCAAGTGTGCTGCCCTGG
 CTCTGACCGAAACAGCGCTGGGTCCACCCCATGTACCGGATCCTGGGTGGTCTGCAGGC
 AGGGCTGACTCTAGGTGCCCTTGGAGGCCAGCCAGTGACCTGAGGAAGCGTGAAGCCGA
 GAAGCAAGAAAGAAACCCGACAGAGGGAAGAAAAGAGCTTTCTTCCCGAACCCCAAGGAG
 GGAGATGGATCAATCAAACCCGGCGGTCCCCTCCGCCAGGCGAGATGGGGTGGGGTGGAG
 AACTCCTAGGGTGGTGGTCCAGGGGATGGGAGGTTGTGGGCATTGATGGGGAAGGAGG
 CTGGCTTGTCCCCTCCTCACTCCCTTCCATAAGCTATAGACCCGAGGAAACTCAGAGTC
 GGAACGGAGAAAGGTGGACTGGAAGGGGCCCGTGGGAGTCATCTCAACCATCCCCTCCGT
 GGCATCACCTTAGGCAGGGAAGTGAAGAAACACACTGAGGCAGGGAAGTCCCCAGGCC
 CAGGAAGCCGTGCCCTGCCCGGTGAGGATGTCACTCAGATGGAACCGCAGGAAGCTGCT
 CCGTGCTTGTGCTCACCTGGGGTGTGGGAGGCCGTCCGGCAGTTCTGGGTGCTCCCT
 ACCACCTCCCAGCCTTTGATCAGGTGGGGAGTCAGGGACCCCTGCCCTGTCCACTCA
 AGCCAAGCAGCCAAGCTCCTTGGGAGGCCCACTGGGAAATAACAGCTGTGGCTCACGT
 GAGAGTGTCTTACGGCAGGACAACGAGGAAGCCCTAAGACGTCCCTTTTTTCTGTGAGT
 ATCTCTCGAAGCTGGTAATCGATGGGGGAGTCTGAAGCAGATGCAAAGAGGCAAGAG
 GCTGGATTTTGAATTTTCTTTTAAATAAAAAGGCACCTATAAACAGGTCAATACAGTAC
 AGGCAGCACAGAGACCCCGGAACAAGCCTAAAAATTGTTTCAAATAAAAACCAAGAAG
 ATGTCTTC

Restriction Sites: Please inquire

ACCN: NM_001716

Insert Size:	2800 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001716.2.
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_001716.2 , NP_001707.1
RefSeq Size:	2824 bp
RefSeq ORF:	1119 bp
Locus ID:	643
UniProt ID:	P32302
Cytogenetics:	11q23.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary:

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]

Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longer isoform (1).