

Recombinant Full Length Human CXCR5 Protein, GST-tagged

Cat. No. CXCR5-111HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CXCR5 full-length ORF (NP_001707.1, 1 a.a. - 372 a.a.) protein, fused to GST-tag at N-terminus, was expressed in vitro wheat germ expression system. Purified by Glutathione Sepharose 4 Fast Flow
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1-372aa
Description	This gene was identified as a gene specifically expressed in Burkitt's lymphoma and lymphatic tissues. The protein encoded by this gene is predicted to be a seven transmembrane G protein- coupled receptor and belongs to the CXC chemokine receptor family. BLC, a B-lymphocyte chemoattractant, was identified to be a specific ligand for this receptor. Studies of this gene and its mouse counterpart strongly suggest the essential function of this gene in B cell migration and localization within specific anatomic compartments, such as follicles in lymph nodes as well as in spleen. Two alternatively spliced variants of this gene exist.
Molecular Mass	68.4kDa
AA Sequence	MNYPLTLEMD LENLEDLFEW LDRLDNYNDT SLVENHLCPA TEGPLMASFK AVFVPVAYSL IFLGIVIGNV LVLVILERHR QTRSSTETFL FHLAVADLLL VFILPFAVAE GSVGWVLGTF LCKTVIALHK VNFYCSSL LACIAVDRYLA IVHAVHAYRH RRLLSIHITC GTIWLVGFL ALPEILFAKV SQGHNNSLP

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RCTFSQENQA ETHAWFTSRF LYHVAGFLLP MLVMGWCYVG VVHRLRQAQR
 RPQRQKAVRV AILVTSIFFL CWSPYHIVIF LDTLARLKAV DNTCKLNGSL
 PVAITMCEFL GLAHCCLNPM LYTFAGVKFR SDLSRLLTKL GCTGPASLCQ
 LFPSWRRSSL SESENATSLT TF

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CXCR5 chemokine (C-X-C motif) receptor 5 [Homo sapiens]

Official Symbol CXCR5

Synonyms CXCR5; chemokine (C-X-C motif) receptor 5; BLR1, Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C X C motif) receptor 5) , Burkitt lymphoma receptor 1, GTP binding protein; C-X-C chemokine receptor type 5; CD185; MDR15; CXC-R5; CXCR-5; MDR-15; monocyte-derived receptor 15; Burkitt lymphoma receptor 1, GTP-binding protein; Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5); BLR1; MGC117347

Gene ID 643

mRNA Refseq NM_001716

Protein Refseq NP_001707

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MIM	601613
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UniProt ID	P32302
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