

Product datasheet for MR205790

Cxcr5 (NM_007551) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr5 (NM_007551) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcr5
Synonyms:	Blr1; CXC-R5; CXCR-5; Gpcr6; MDR15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205790 representing NM_007551 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTACCCACTAACCCCTGGACATGGGCTCCATCACATACAATATGGATGACCTGTACAAGAACTGG
CCTTCTACAGTAACAGCACGGAGATCCCTACAGGACAGTAACCTTCTGCTCTACAGTCGAGGGACCCCT
ACTGACGTCCTTTAAGGCGGTATTCATGCCTGTGGCTACAGCCTCATCTTCTCCTGGGTATGATGGGA
AACATCCTGGTGTGGTAACTCTGGAGAGGCACCGGCACACTCGGAGCTCAACCGAGACCTTCTGTTC
ACCTCGCAGTAGCCGACCTTCTTCTAGTCTTCATCCTGCCTTTTGCAGTGGCTGAGGGCTCTGTGGTTG
GGTCTAGGGACCTTCTCTGCAAACTGTGATCGCTCTGCACAAGATCAATTTCTACTGCAGCAGCCTG
CTGCTGGCCTGTATAGCTGTAGACCGGTACCTAGCCATCGTCCATGCTGTTACAGCCTACCGCCGCGTC
GACTCCTCTCCATCCACATCACCTGCACGGCCATTTGGCTGGCCGGCTTCTGTTCGCTTACCGAACT
CCTCTTTGCCAAGGTTGGCCAACTCATAACAACGACTCCTTACCACAGTGCACCTTCTCCAGGAAAAC
GAAGCGGAACTAGAGCCTGGTTACCTCCGTTTCTTACCACATCGGGGGCTTCTACTACCGATGC
TTGTGATGGGATGGTGTACGTGGCGTGGTCCACAGGCTACTGCAGGCCAGCGGCCCTCAGCGGCA
GAAGGCGGTGAGGTGGCCATTTAGTGACAAGCATTTTCTTCTCTGCTGGTGCCTACCACATTGTC
ATCTTCTAGATACTGAGAGGCTGAAGGCTGTGAATAGCAGCTGCGAGCTGAGTGGCTATCTCTCTG
TGGCCATCACCTTGTGTGAATTCCTGGCCTGGCACACTGCTGTCTCAATCCCATGCTCTACACCTTGC
TGGCGTAAAGTCCGAGTGACCTCTCTCGGCTTCTGACCAAGCTGGGCTGTGCTGGCCCGGCTCCCTT
TGCCAACCTTTCCCAACTGGCGCAAGAGTAGTCTCTGAGTCAGAGAATGCTACTTCCCTCACCACCT
TC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205790 representing NM_007551
Red=Cloning site Green=Tags(s)

MNYPLTDMGSITYNMDDLYKELAFYSNSTEIPLQDSNFCSTVEGPLLTSFKAVFMPVAYSLIFLLGMMG
 NILVLVILERHRHTRSSTETFLFHLAVADLLLVFILPFAVAEGSVGWLGTFLCKTVIALHKINFCYSSL
 LLACIAVDRYLAIVHAVHAYRRRRLLSIHITCTAIWLAGFLFALPELLFAKVGQPHNNDLSPQCTFSQEN
 EAETRAWFTSRFLYHIGGFLLPMLVMGWCVGVVHRLQLAQRPRQKAVRVAAILVTSIFFLCWSPYHIV
 IFLDTLERLKAVNSSCELSGYLSVAITLCEFLGLAHCLNPMLYTFAGVKFRSDLSRLLTKLGCAGPASL
 CQLFPNWRKSSLSESENATSLTTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_007551

ORF Size: 1122 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_007551.2](#), [NP_031577.2](#)

RefSeq Size: 2636 bp

RefSeq ORF: 1125 bp

Locus ID: 12145

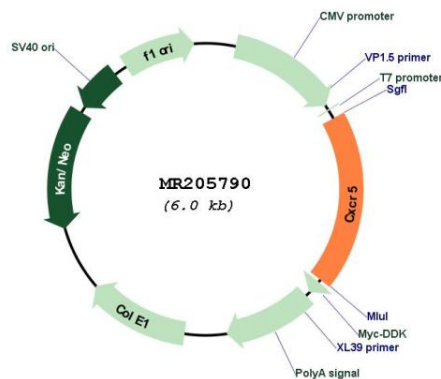
UniProt ID: [Q04683](#)

Cytogenetics: 9 24.84 cM

MW: 42.6 kDa

Gene Summary: Cytokine receptor that binds to B-lymphocyte chemoattractant (BLC). Involved in B-cell migration into B-cell follicles of spleen and Peyer patches but not into those of mesenteric or peripheral lymph nodes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205790