

Product datasheet for **MG205790**

Cxcr5 (NM_007551) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr5 (NM_007551) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cxcr5
Synonyms:	Blr1; CXC-R5; CXCR-5; Gpcr6; MDR15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205790 representing NM_007551 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTACCCACTAACCCCTGGACATGGGCTCCATCACATACAATATGGATGACCTGTACAAGAACTGG
CCTTCTACAGTAACAGCACGGAGATCCCTACAGGACAGTAACCTCTGCTCTACAGTCGAGGGACCCTT
ACTGACGTCCTTTAAGGCGGTATTCATGCCTGTGGCTACAGCCTCATCTTCTCCTGGGTATGATGGGA
AACATCCTGGTGCTGGTAATCCTGGAGAGGCACCGGCACACTCGGAGCTCAACCGAGACCTTCTGTTC
ACCTCGCAGTAGCCGACCTTCTTCTAGTCTTCATCCTGCCTTTTGCAGTGGCTGAGGGCTCTGTGGTTG
GGTCTAGGGACCTTCTCTGCAAACTGTGATCGCTCTGCACAAGATCAATTTCTACTGCAGCAGCCTG
CTGCTGGCCTGTATAGCTGTAGACCGGTACCTAGCCATCGTCCATGCTGTTACAGCCTACCGCCGCGTC
GACTCCTCTCCATCCACATCACCTGCACGGCCATTTGGCTGGCCGGCTTCTGTTCGCTTACCGGAACT
CCTCTTTGCCAAGGTTGGCCAACCTCATAACAACGACTCCTTACCACAGTGCACCTTCTCCAGGAAAAC
GAAGCGGAACTAGAGCCTGGTTCACCTCCCGTTTCTCTACCACATCGGGGGCTTCTACTACCGATGC
TTGTGATGGGATGGTGTACGTGGCGTGGTCCACAGGCTACTGCAGGCCAGCGGCCCTCAGCGGCA
GAAGGCGGTGAGGTTGGCCATTTTAGTGACAAGCATTTTCTTCTCTGCTGGTGCCTACCACATTGTC
ATCTTCTAGATACTGAGAGGCTGAAGGCTGTGAATAGCAGCTGCGAGCTGAGTGGCTATCTCTCTG
TGGCCATCACCTTGTGTGAATTCCTGGCCTGGCACACTGCTGTCTCAATCCCATGCTCTACACCTTCGC
TGGCGTAAAGTTCAGTACCTCTCTCGGCTTCTGACCAAGCTGGGCTGTGCTGGCCCGGCTCCCTT
TGCCAACCTTTCCCAACTGGCGCAAGAGTAGTCTCTGAGTCAGAGAATGCTACTTCCCTCACCACCT
TC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205790 representing NM_007551
Red=Cloning site Green=Tags(s)

MNYPLTLDMGSITYNMDDLYKELAFYSNSTEIPLQDSNFCSTVEGPLLTSFKAVFMPVAYSLIFLLGMMG
 NILVLVILERHRHTRSSTETFLFHLAVADLLLVFILPFAVAEGSVGWLGTFLCKTVIALHKINFCSSL
 LLACIAVDRYLAIVHAVHAYRRRRLLSIHITCTAIWLAGFLFALPELLFAKVGQPHNDSLPLQCTFSQEN
 EAETRAWFTSRFLYHIGGFLLPMLVMGWCVGVVHRLQLAQRPRQRKAVRVAAILVTSIFFLCWSPYHIV
 IFLDTLERLKAVNSSCELSGYLSVAITLCEFLGLAHCCLNPMPLYTFAGVKFRSDLSRLLTKLGCAGPASL
 CQLFPNWRKSSLSESENATSLTTF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

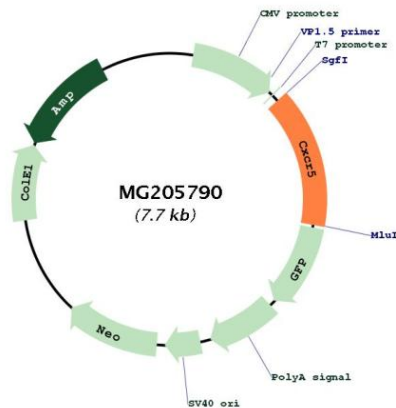
Locus ID: 12145

UniProt ID: [Q04683](#)

Cytogenetics: 9 24.84 cM

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 MG205790