

Product datasheet for **RR206843**

Cxcr5 (NM_053303) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cxcr5 (NM_053303) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cxcr5
Synonyms: Blr1; NLR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206843 representing NM_053303
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCCCCGATATCGCTAGACATGGGCGCCATCACCTACAACATGGACGATCTGTACAAGGAACTGG
CCATCTACAGTAACAGCACGGAGATCCCCCTACAGGACAGTATCTTCTGTTCTACAGAGGAGGGGCCCT
ACTGACTTCCTTTAAGACGATATTCATGCCTGTGGCTACAGCCTCATCTTCTCCTGGGTATGATGGGA
AACATCCTCGTACTGGTAATCCTGGAGAGGCACCGGCACACTCGGAGCTCAACGGAGACCTTCTGTTC
ACCTGGCAGTAGCCGACCTTCTTGGTCTTCATCTTGCCTTTGACAGTGGCTGAGGGCTCTGTGGTTG
GGTCTAGGGACCTTCTCTGCAAACTGTGATCGCCCTGCACAAGATCAATTTCTACTGCAGCAGCCTG
CTGCTGGCCTGCATAGCTGTGACCGTTATCTGGCCATCGTCCATGCCGTCCACGCCTACCGCCCGCC
GTCTCCTCTATCCACATCACCTGCTCGACTATTTGGCTAGCCGGCTTCTATTTGCCTTGCCAGAACT
CCTTTTGCCAAGTTGTCCAACCTCATAACAACGAGTCCTTACCACAGTGCATCTTCTCCCAAGAAAAT
GAAGCCGAAACTAGAGCCTGGTTCGCCTCCCGTTTCTTACCACACTGGGGCTTCTGCTACCGATGC
TCGTGATGGCCTGGTGTATGTGGGAGTGTACACAGGCTATGCAGGCCAGCGGCCCTCAGAGGCA
GAAGGCAGTCAGGGTGGCCATCTTGGTGACAAGCATCTTCTTCTGCTGGTCAACCTACCACATTGTC
ATCTTCTCGATACACTGAAAGGCTGAAGGCTGTGAACAGCAGTTGCGAATTGAGTGGCTACCTCTCAG
TGGCTATCACCTTATGTGAATCCTGGGCTGGCTCACTGCTGTCTCAATCCCATGCTCTACACCTTCG
TGGCGTAAAGTCCGCAGTGACTTGTCTCGGCTTCTGACCAAGCTGGGCTGTGCTGGCCCGCCCTCCTT
TGTGAGCTCTTCCGGGCTGGCGAAGAGCAGTCTCTGAGTCAGAGAACGCTACTTCTTACCACCT
TC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206843 representing NM_053303
 Red=Cloning site Green=Tags(s)

MNSPISLDMGAIITYNMDDLYKELAIYSNSTEIPLQDSIFCSTEEGPLLTSFKTIFMPVAYSLIFLLGMMG
 NILVVLVILERHRHTRSSTETFLFHLAVADLLLVFILPFAVAEAGSVGWLGTFLCKTVIALHKINFCSSL
 LLACIADVDRYLAIHVAVHAYRRRRLLSIHITCSTIWLAGFLFALPELLFAKVVQPHNNESLPQCIFSQEN
 EAETRAWFASRFLYHTGGFLLPMLVMAWCYVGVVHRLQLAQRPRQKAVRVAIILVTSIFLLCWSPYHIV
 IFLDTLERLKAVNSSCELSGYLSVAITLCEFLGLAHCLNPMLYTFAGVKFRSDLRLLTKLGCAGPASL
 CQLFPGWRKSSLSSEENATSLTTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

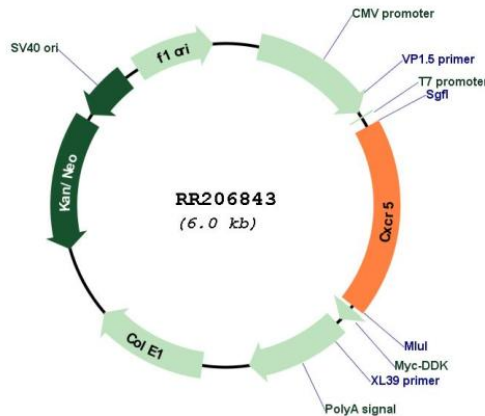
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053303

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:	<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_053303.1 , NP_445755.1
RefSeq Size:	1165 bp
RefSeq ORF:	1125 bp
Locus ID:	29363
UniProt ID:	P34997
Cytogenetics:	8q22
MW:	42 kDa
Gene Summary:	G-protein coupled receptor that may play a role in the nervous and immune systems [RGD, Feb 2006]