

Product datasheet for MR227587

Cxcr2 (NM_009909) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr2 (NM_009909) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcr2
Synonyms:	CD128; CDw128; Cmkar2; Gpcr16; IL-8rb; IL-8Rh; IL8RA; Il8rb; mLIL-8RH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227587 representing NM_009909 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGGAGAATTCAAGGTGGATAAGTTCAACATTGAAGATTTCTTCAGTGGAGATCTTGATATTTTCAATT
ATAGCTCTGGCATGCCCTCTATTCTGCCAGATGCTGTCCCATGCCACTCAGAGAACCTGGAAATCAACAG
TTATGCTGTGGTTGTAATATACGTCCTGGTGACTCTGCTGAGCCTTGTTGGGAACTCCTTGGTGATGCTG
GTCATCTTATAACAACCGGAGCACCTGCTCTGTACCGATGTCTACCTGCTGAACCTGGCCATTGCTGACC
TGTTCTTTGCCCTGACCTTGCCCTGTCTGGGCTGCATCTAAAGTAAATGGATGGACTTTTGGCTCAACCT
GTGCAAGATATTCTCATACGTGAAGGAGTTACCTTCTACAGCAGTGTTCTGCTACTAGCCTGCATCAGC
ATGGACCCTACCTGGCCATTGTACATGCCACAAGTACACTGATCCAGAAGAGACTTGGTCAAGTTTG
TGTGCATAGCCATGTGGTTACTATCAGTAATTCTGGCCCTGCCCATCTTAATTCTACGAAATCCTGTTAA
GGTAAACCTTTCTACCTTAGTCTGCTATGAGGATGTAGGTAACAATACATCCCGTTTGAGGGTCTGACTG
CGTATCCTGCCTCAGACTTTTGGCTTCTCGTGCCGCTGCTCATCATGCTGTTCTGCTACGGGTTACAC
TGCGCACCTCTTAAGGCCACATGGGCGAGAAGCACCAGGCGCATCGGGTCACTTCGCTGTGCTGCT
TGTTCTTCTGCTGCTGGCTGCCCTACAACCTGGTTCTGTTACAGACACCTCATGAGAACCAAGCTG
ATCAAGGAGACCTGTGAGCGCCGCGATGACATTGACAAGGCTTGAATGCTACGGAGATTCTGGCTTCC
TCCACAGCTGCCTTAACCCCATCATCTATGCCTTTATTGGCCAGAAATTCGCCATGGACTTCTCAAGAT
CATGGCTACTTATGGCTTGTGCAAGGAGTTCTTAGCCAAGGAGGAAGGCCTCTTTTGTAGCTCG
TCTTCAGCAAACCTCTACTACCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227587 representing NM_009909
Red=Cloning site Green=Tags(s)

MGEFKVDKFNIEDFFSGDLDFNYSSGMP SILPDAVPCHSENLEINSYAVVVIYVLVTL LSLVGNLVM L
VILYNRSTCSVTDVYLLNLAIADLFFAL TLPVWAASKVNGWTFGSTLCKIFSYVKEVTFYSSVLL LACIS
MDRYLAIVHATSTLIQKRHLVKFVCIAMWLLSVILALPILILRNPVKVNLSTLV CYEDVGNNTSRLRVVL
RILPQTFGFLVPLLIMLFCYGF LRTL FKAHMGQKHRAMRVIFAVVLVFLLCWLPYNLVLFTDTLMRTKL
IKETCERRDDIDKALNATEILGFLH SCLNP IYAF IGQKFRHGLLKIMATYGLVSK EFLAKEGRPSFVSS
SSANTSTTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009909

ORF Size: 1077 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_009909.3](#), [NP_034039.1](#)

RefSeq Size: 3043 bp

RefSeq ORF: 1080 bp

Locus ID: 12765

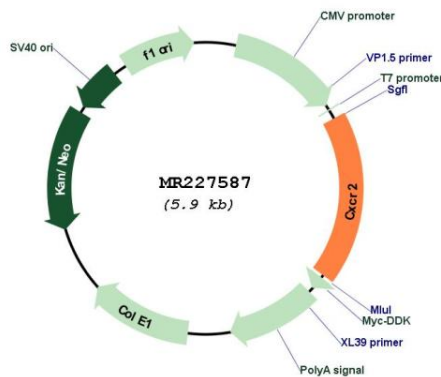
UniProt ID: [P35343](#)

Cytogenetics: 1 38.41 cM

MW: 40.9 kDa

Gene Summary: Receptor for interleukin-8 which is a powerful neutrophil chemotactic factor. Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system. Binds to IL-8 with high affinity. Also binds with high affinity to CXCL3, GRO/MGSA and NAP-2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227587