

Product datasheet for MR227331

Cxcr3 (NM_009910) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr3 (NM_009910) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcr3
Synonyms:	Cd183; Cmka; Cmkar3; Cxcr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227331 representing NM_009910 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACCTTGAGGTTAGTGAACGTCAAGTCTAGATGCCTCGGACTCTGCCTTTCTCTGGAAAACAGCA
CCTCTCCCTACGATTATGGGAAAACGAGAGCGACTTCTCGGACTCCCCGCCCTGCCACAGGATTTGAG
CCTGAACCTTGACAGAACCTTCTGCCAGCCCTCTACAGCCTCCTCTTCTGCTGGGGCTGCTAGGCAAT
GGGGCGGTGGCTGCTGTGCTACTGAGTCAGCGCACTGCCCTGAGCAGCACGGACACCTTCTGCTCCACC
TGGCTGTAGCCGATGTTCTGCTGGTGTAACTCTCCATTGTGGCAGTGGATGCTGCTGCCAGTGGGT
TTTCGGCCCTGGCCTCTGCAAAGTGGCAGGCGCCTTGTTCAACATCAACTTCTATGCAGGGCCCTCCTG
CTGGCTTGATAAGCTTCGACAGATATCTGAGCATAGTGACGCCACCCAGATCTACCGCAGGGACCCCC
GGGTACGTGTAGCCCTCACCTGCATAGTTGTATGGGGTCTCTGTCTGCTCTTTGCCCTCCAGATTTTCAT
CTACCTATCAGCCAACCTACGATCAGCGCCTCAATGCCACCCATTGCCAGTACAACCTCCACAGGTGGGT
CGCACTGCTCTGCGTGTACTGCAGCTAGTGGCTGGTTTCTGCTGCCCTTCTGGTCATGGCCTACTGCT
ATGCCCATATCCTAGCTGTTCTGCTGGTCTCCAGAGGCCAGAGCGTTTTTCGAGCTATGAGGCTAGTGGT
AGTGGTGGTGGCAGCCTTTGCTGTCTGCTGGACCCCTATCACCTGGTGGTGTAGTGGATATCCTCATG
GATGTGGGAGTTTTGGCCGCAACTGTGGTCGAGAAAGCCACGTGGATGTGGCCAAGTCAGTCACCTCGG
GCATGGGGTACATGCACTGCTGCCTCAATCCGCTGCTCTATGCCTTTGTGGGAGTGAAGTTCAGAGAGCA
AATGTGGATGTTGTTACGCGCCTGGGCGCTCTGACCAGAGAGGGCCCCAGCGGCAGCCGTCATCTTCA
CGGAGAGAATCATCTGCTGAGACAACCTGAGCCTCTACCTGGGCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR227331 representing NM_009910
Red=Cloning site Green=Tags(s)

MYLEVSERQVLDASDSAFLENSTSPYDYGENESDFS DSPPCQDFSLNFDRTFLPALYSLLFLLGLLGN
 GAVAAVLLSQRTAL SSTDTFLLHLAVADVLLVLTPLWAVDAAVQVWFGPGLCKVAGALFNINFYAGAF
 LACISFDRYLSIVHATQIYRRDPRVRVALTCIVVWGLCLL FALPDFIYLSANYDQRLNATHCQYNFPQVG
 RTALRVLQLVAGFLLPLLVMAYCYAHILAVLLVSRGQRRFRAMRLVVVVVAAFVWCWTPYHLVVLVDILM
 DVGVLARNCGRESHVDVAKSVTSGMGYMHCCLNPLL YAFVGVKFREQMMLFTRLGRSDQRGPRQPSS
 RRESSWSETTEASYLGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009910

ORF Size: 1101 bp

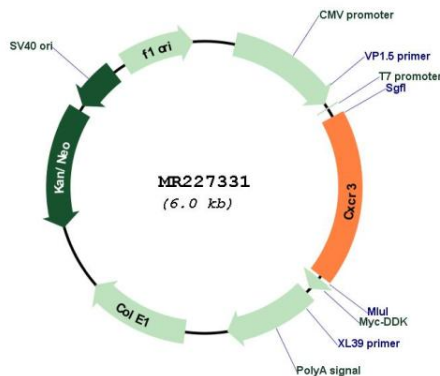
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009910.1](#), [NM_009910.2](#), [NM_009910.3](#), [NP_034040.1](#)
- RefSeq Size:** 1608 bp
- RefSeq ORF:** 1104 bp
- Locus ID:** 12766
- UniProt ID:** [O88410](#)
- Cytogenetics:** X 44.58 cM
- MW:** 41.5 kDa
- Gene Summary:** This gene encodes a transmembrane protein that functions as a receptor for C-X-R chemokines. Signalling through this protein regulates a variety of biological processes, including inflammation, immunity, and wound healing. This protein also plays a role in tumor growth and metastasis. [provided by RefSeq, May 2015]

Product images:



Circular map for MR227331