

Product datasheet for **MG227331**

Cxcr3 (NM_009910) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cxcr3 (NM_009910) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cxcr3
Synonyms: Cd183; Cmka; Cmkar3; Cxcr
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227331 representing NM_009910
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACCTTGAGGTTAGTGAACGTCAAGTCTAGATGCCTCGGACTCTGCCTTTCTCTGGAAAACAGCA
 CCTCTCCCTACGATTATGGGAAAACGAGAGCGACTTCTCGGACTCCCCGCCCTGCCACAGGATTCAG
 CCTGAACCTTGACAGAACCTTCTGCCAGCCCTACAGCCTCCTTCTTGCTGGGGCTGCTAGGCAAT
 GGGGCGGTGGCTGCTGTGCTACTGAGTCAGCGCACTGCCCTGAGCAGCACGGACACCTTCTGCTCCACC
 TGCTGTAGCCGATGTTCTGCTGGTGTAACTCTCCATTGTGGCAGTGGATGCTGCTGCCAGTGGGT
 TTTCCGGCCCTGGCCTCTGCAAAGTGGCAGGCGCCTTGTTCAACATCAACTTCTATGCAGGGCCCTCCTG
 CTGGCTTGATAAGCTTCGACAGATATCTGAGCATAGTGCACGCCACCCAGATCTACCGCAGGGACCCCC
 GGGTACGTGTAGCCCTCACCTGCATAGTTGTATGGGGTCTCTGTCTGCTCTTTGCCCTCCAGATTTTCAT
 CTACCTATCAGCCAACCTACGATCAGCGCCTCAATGCCACCCATTGCCAGTACAACCTCCACAGGTGGGT
 CGCACTGCTCTGCGTGTACTGCAGCTAGTGGCTGGTTTCTGCTGCCCTTCTGGTCATGGCCTACTGCT
 ATGCCCATATCCTAGCTGTTCTGCTGGTCTCCAGAGGCCAGAGCGTTTTTCGAGCTATGAGGCTAGTGGT
 AGTGGTGGTGGCAGCCTTTGCTGTCTGCTGGACCCCTATCACCTGGTGGTGTAGTGGATATCCTCATG
 GATGTGGGAGTTTTGGCCGCAACTGTGGTTCGAGAAAGCCACGTGGATGTGGCCAAGTCAGTCACCTCGG
 GCATGGGGTACATGCACTGCTGCCTCAATCCGCTGCTCTATGCCTTTGTGGGAGTGAAGTTCAGAGAGCA
 AATGTGGATGTTGTTACGCGCCTGGGCGCTCTGACCAGAGAGGGCCCCAGCGGCAGCCGTCATCTTCA
 CGGAGAGAATCATCTGGTCTGAGACAACCTGAGCCTCTACCTGGGCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227331 representing NM_009910
Red=Cloning site Green=Tags(s)

MYLEVSEKQVLDASDAFLLNSTSPYDYGESDFSDSPPCQDFSLNFDRTFLPALYSLLFLLGLLGN
 GAVAAVLLSQRTALSSDTFLLHLAVADVLLVLTPLWAVDAAVQWVFGPLCKVAGALFNINFYAGAF
 LACISFDRYLSIVHATQIYRRDPRVRVLTICIVWGLCLLFFALPDFIYLSANYDQRLNATHCQYNFPQVG
 RTALRVLQLVAGFLLPLLVMAYCYAHILAVLLVSRGQRRFRAMRLVVVVVAAFVWCWTPYHLVLLVDILM
 DVGVLARNCGRESHVDVAKSVTSGMGYMHCCLNPLLAFVGVKFRQMWMLFTRLGRSDQRPQRPQSS
 RRESSWSETTEASYLGL

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1784_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009910

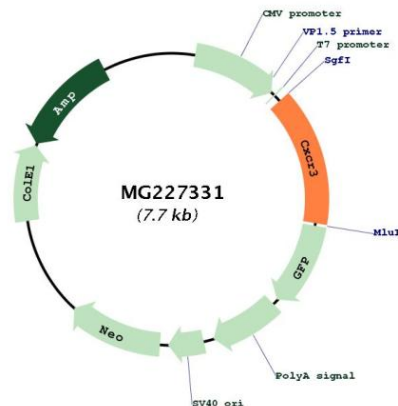
ORF Size: 1101 bp

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:	<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_009910.2 , NP_034040.1
RefSeq Size:	1608 bp
RefSeq ORF:	1104 bp
Locus ID:	12766
UniProt ID:	O88410
Cytogenetics:	X 44.58 cM
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 MG227331