

Product datasheet for MR223096

Cxcr1 (NM_178241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr1 (NM_178241) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcr1
Synonyms:	Il8ra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223096 representing NM_178241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGAGGCTGAATATTTTCATCTGGACTAATCCTGAGGGTGACTTTGAGAAAGAATTTGGAAATATCA
CGGGAATGCTGCCACTGGAGATTATTTTCATCCCTGTAAGAGAGTTCCAATAACCAACAGGCAGGCTTT
AGTTGTCTTTATGCACTGGTGTCCCTTCTGAGCTTGCTGGGAACTCGTGGTATGCTGGTTATCTTA
TACAGGCGAAGGACCCGATCCGTCATGGATGTCTACGTGCTGAACCTAGCCATCGCCGACCTACTTTTT
CATTGACCCTGCCCTTCTGGCTGTCTCCAATTGAAGGGCTGGATTTTTGGCACACCCCTGTGCAAGAT
GGTCTCACTCCTGAAGGAATCAACTTCTCAGTGGTATCCTGCTGCTGGCTGCATCAGTGTGGACCGA
TACCTGGCCATCGTCCATGCCACCCGTACGCTGGCCCGAAAGCGCTACTTGGTTAAATTCGTGTGCGTGG
GCATCTGGGGTCTATCTTTGATTCTGTCTCTGCCCTTTGCTATCTTCCGCCAGGCATATAAACATTCCG
TTCTGGTACAGTCTGCTATGAAGTCTGGGTGAAGCCACAACAGATTTTCGGATGACCTTGGGGGTCTG
TCCCACATATTTGGTTCCTCCTGCCGCTGCTCACTATGCTGGTCTGCTACGGGCTCACACTGCCGATGC
TCTTTAAGACCCACATGAGGCAGAAACACCGGGCCATGGGGGTGATCTTTGCTGTTGTGTTGGTCTTCTT
GCTCTGTTGTCTGCCCTACAATCTGGTTCTGCTCTCAGACACTCTTAGGAGCCCACTTGATTGAAGAT
ACTTGCGAACGCCGCAATGACATTGACCAGGCCCTGTATATTACTGAGATCCTGGGCTTTTCTCATAGTT
GTCTTAACCCTATCATCTATGCCTTCGTTGGCCAAAATTTTCGCCATGAATTCCTCAAGATCCTTGCTAA
CCATGGCCTGTTTCGCAAGGAGTTTTGACACACCGCCGTGTTGCCCTTTCATACGCTCTCACCGCTATT
TAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223096 representing NM_178241
Red=Cloning site Green=Tags(s)

MAEAEYFIWNPEDGFEKEFGNITGMLPTGDYFIPCKRVPITNRQALVVFYALVSLLSLLGNSLVMLVIL
 YRRRTRSVMDVYVNLAIADLLFSLTLPFLAVSKLKGWIFGTPLCKMVSLLKEFNFFSGILLACISVDR
 YLAIVHATRTRLARKRYLVKFCVGIWGLSLILSLPFAIFRQAYKPFRRSGTVCYEVLGEATDFRMTLRGL
 SHIFGFLPLLTMLVCYGLTLRMLFKTHMRQKHRAMGVIFAVVLVFLCCLPYNLVLLSDTLLGAHLIED
 TCERRNDIDQALYITEILGFSHCLNPYIYAFVQGNFRHEFLKILANHGLVYRKEVLTTHRRVAFHTSLTAI
 Y

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1552_a05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_178241

ORF Size: 1053 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_178241.4](#), [NP_839972.1](#)

RefSeq Size: 1125 bp

RefSeq ORF: 1056 bp

Locus ID: 227288

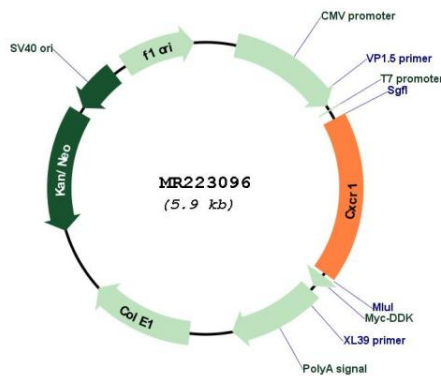
UniProt ID: [Q810W6](#)

Cytogenetics: 1 38.44 cM

MW: 40.5 kDa

Gene Summary: Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor. Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223096