

## Product datasheet for **MG223096**

### **Cxcr1 (NM\_178241) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcr1 (NM_178241) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cxcr1
Synonyms:	Il8ra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223096 representing NM_178241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCGAGGCTGAATATTTTCATCTGGACTAATCCTGAGGGTGACTTTGAGAAAGAATTTGGAAATATCA  
CGGGAATGCTGCCACTGGAGATTATTTTCATCCCTGTAAGAGAGTTCCAATAACCAACAGGCAGGCTTT  
AGTTGTCTTTTATGCACTGGTGTCCCTTCTGAGCTTGCTGGGAACTCGTGGTGTGCTGGTTATCTTA  
TACAGGCGAAGGACCCGATCCGTCATGGATGTCTACGTGCTGAACCTAGCCATCGCCGACCTACTCTTTT  
CATTGACCCTGCCCTTCTGGCTGTCTCCAATTGAAGGGCTGGATTTTGGCACACCCCTGTGCAAGAT  
GGTCTCACTCCTGAAGGAATCAACTTCTCAGTGGTATCCTGCTGCTGGCTGCATCAGTGTGGACCGA  
TACCTGGCCATCGTCCATGCCACCCGTACGCTGGCCGAAAGCGCTACTTGGTTAAATTCGTGTGCGTGG  
GCATCTGGGGTCTATCTTTGATTCTGTCTCTGCCTTTTGCTATCTTCCGCCAGGCATATAAACCATTCGG  
TTCTGGTACAGTCTGCTATGAAGTCTGGGTGAAGCCACAACAGATTTTCGGATGACCTTGGGGGTCTG  
TCCCACATATTTGGTTCCTCCTGCCGCTGCTCACTATGCTGGTCTGCTACGGGCTCACACTGCCGATGC  
TCTTTAAGACCCACATGAGGCAGAAACACCGGGCCATGGGGGTGATCTTTGCTGTGTGTGGTCTTCTT  
GCTCTGTTGTCTGCCCTACAATCTGGTTCTGCTCTCAGACACTCTTAGGAGCCCACTTGATTGAAGAT  
ACTTGCGAACGCCGCAATGACATTGACCAGGCCCTGTATATTACTGAGATCCTGGGCTTTTCTCATAGTT  
GTCTTAACCCTATCATCTATGCCTTCGTTGGCCAAAATTTTCGCCATGAATTCCTCAAGATCCTTGCTAA  
CCATGGCCTGGTTCGCAAGGAGTTTTGACACACCGCCGTGTTCCTTTCATACGCTCTCACCGCTATT  
TAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG223096 representing NM\_178241  
 Red=Cloning site Green=Tags(s)

MAEAEYFIWTPNEGDFEKEFGNITGMLPTGDYFIPCKRVPITNRQALVVFYALVSLLSLLGNSLVMLVIL  
 YRRRTRSVMDVYVNLAIADLLFSLTLPFLAVSKLKGWIFGTPLCKMVSLLKEFNFFSGILLACISVDR  
 YLAIVHATRTRLARKRYLVKFVCGIWLGLSLILSLPFAIFRQAYKPFRRSGTVCYEVLGEATDFRMTLRGL  
 SHIFGFLPLLLTMLVCYGLTLRMLFKTHMRQKHRAMGVIFAVVLVFLCCLPYNLVLLSDTLLGAHLIED  
 TCERRNDIDQALYITEILGFSHSLNPIIYAFVQGNFRHEFLKILANHGLVRKEVLTHRRVAFHTSLTAI  
 Y

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1569\\_e07.zip](https://cdn.origene.com/chromatograms/ja1569_e07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

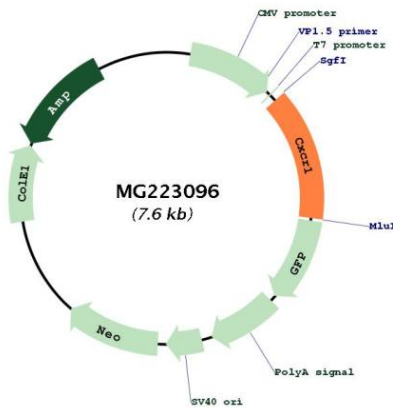
**Locus ID:** 227288

**UniProt ID:** [Q810W6](#)

**Cytogenetics:** 1 38.44 cM

**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 MG223096