

Product datasheet for **MG220966**

Cxcl1 (NM_008176) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cxcl1 (NM_008176) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cxcl1
Synonyms: F; Fsp; Gr; gro; Gro1; KC; Mg; Mgsa; N5; N51; Scyb; Scyb1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220966 representing NM_008176
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCAGCCACCCGCTCGTTCTCTGTGCAGCGCTGCTGCTGCTGGCCACCAGCCGCTGGCCACAG
GGGCGCCTATCGCCAATGAGCTGCGCTGTCAGTGCCTGCAGACCATGGCTGGATTACCTCAAGAACAT
CCAGAGCTTGAAGGTGTTGCCCTCAGGGCCCCACTGCACCCAAACCGAAGTCATAGCCACACTCAAGAAAT
GGTCGCGAGGCTTGCTTGACCCTGAAGCTCCCTTGTTTCAGAAAATTGTCCAAAAGATGCTAAAAGGTG
TCCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG220966 representing NM_008176
 Red=Cloning site Green=Tags(s)
 MIPATRSLLCAALLLLATSRLATGAPIANELRCQCLQTMAGIHLKNIQSLKVLPSGPHCTQTEVIATLKN
 GREACLDP EAPLVQKIVQKMLKGVPK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_008176

ORF Size: 288 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_008176.3](#), [NP_032202.1](#)

RefSeq Size: 964 bp

RefSeq ORF: 291 bp

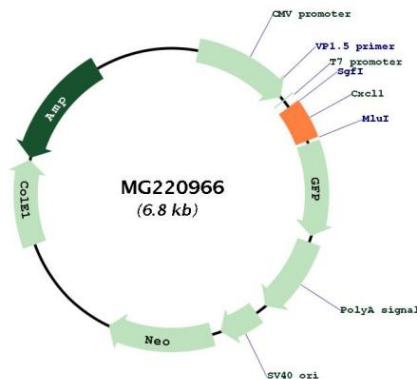
Locus ID: 14825

UniProt ID: [P12850](#)

Cytogenetics: 5 44.78 cM

Gene Summary: This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This secretory protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils. In mouse, deficiency of this gene is associated with colitis and with defects in immune cell recruitment to the lung. [provided by RefSeq, Apr 2013]

Product images:



Circular map for MG220966