

## Product datasheet for MR227229

### Cxcl12 (NM\_013655) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcl12 (NM_013655) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcl12
Synonyms:	PB; Pbsf; PBSF/SD; Scyb1; Scyb12; Sdf; SDF-; Sdf1; TLS; Tlsf; TP; Tpar1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227229 representing NM_013655 Red=Cloning site Blue=ORF Green=Tags(s)  TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  ATGGACGCCAAGGTCGTCGCCGTGCTGGCCCTGGTGTGCTGGCCGCGCTCTGCATCAGTGACGGTAAACCAGTCAGCCTGAGCTACCGATGCCCTGCCGTTCTTCGAGAGCCACATCGCCAGAGCCAACGTCAAGCATCTGAAAATCCTCAACTCCAACTGTGCCCTTTCAGATTGTTGCACGGCTGAAGAACAACAACAGACAAGTGTGCATTGACCCGAAATTAAGTGGATCCAAGAGTACCTGGAGAAAGCTTTAAACAAGAGGCTCAAGATG  ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA  >MR227229 representing NM_013655 Red=Cloning site Green=Tags(s)  MDAKVVAVLALVLAALCISDGKPVSLSYRCPCRFESHIANVVKHLKILNTPNCALQIVARLKNNNRQVCIDPKLKIYEQYLEKALNKRLKM  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Protein Sequence:	>MR227229 representing NM_013655 Red=Cloning site Green=Tags(s)  MDAKVVAVLALVLAALCISDGKPVSLSYRCPCRFESHIANVVKHLKILNTPNCALQIVARLKNNNRQVCIDPKLKIYEQYLEKALNKRLKM  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja3010_b04.zip">https://cdn.origene.com/chromatograms/ja3010_b04.zip</a>
Restriction Sites:	Sgfl-Mlul



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**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_013655.4](#), [NP\\_038683.1](#)

**RefSeq Size:** 3173 bp

**RefSeq ORF:** 282 bp

**Locus ID:** 20315

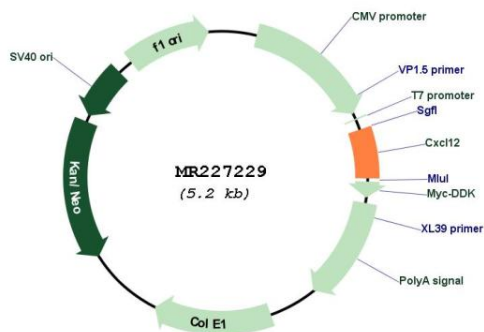
**UniProt ID:** [P40224](#)

**Cytogenetics:** 6 F1

**MW:** 10.6 kDa

**Gene Summary:** This gene encodes a member of the alpha chemokine protein family. The encoded protein is secreted and functions as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4. The encoded protein plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

### Product images:



Circular map for MR227229