

Product datasheet for MR227231

Cxcl12 (NM_001012477) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cxcl12 (NM_001012477) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cxcl12
Synonyms: PB; Pbsf; PBSF/SD; Scyb1; Scyb12; Sdf; SDF-; Sdf1; TLS; Tlsf; TP; Tpar1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR227231 representing NM_001012477
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGCCAAGGTCGTCGCCGTGCTGGCCCTGGTGGCTGGCCGCGCTCTGCATCAGTGACGGTAACCAG
TCAGCCTGAGCTACCGATGCCCTGCCGTTCTTCGAGAGCCACATCGCCAGAGCCAACGTCAAGCATCT
GAAAATCCTCAACTCCAACTGTGCCCTTCAGATTGTTGCACGGCTGAAGAACAACAACAGACAAGT
TGCATTGACCCGAAATTAAGTGGATCCAAGAGTACCTGGAGAAAGCTTTAAACAAGGGGCGCAGAGAAG
AAAAAGTGGGAAAAAAGAAAAGATAGGAAAAAAGAAGCGACAGAAGAAGAGAAAGGCTGCCAGAAAAAG
GAAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227231 representing NM_001012477
 Red=Cloning site Green=Tags(s)

MDAKVVAVLALVLAALCISDGKPVLSYRCPFRFFESHIRANVKHLKILNTPNCALQIVARLKNNNRQV
CIDPKLKIWEYLEKALNKGREEKVGKKEKIGKKRQKKRKAQKRKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<u>NM_001012477.2</u> , <u>NP_001012495.1</u>
RefSeq Size:	5670 bp
RefSeq ORF:	360 bp
Locus ID:	20315
Cytogenetics:	6 F1
MW:	14.1 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]