

Product datasheet for **RN200482**

Cxcl12 (NM_001033883) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cxcl12 (NM_001033883) Rat Untagged Clone
Tag: Tag Free
Symbol: Cxcl12
Synonyms: Sdf1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200482 representing NM_001033883
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGCCAAGGTCGTCGCCGTGCTGGCCCTGGTGGCTGGCCGCGCTCTGCATCAGTGACGGTAAGCCAG
TCAGCCTGAGCTACAGATGCCCTGCCGATTCTTTGAGAGCCATGTCGCCAGAGCCAACGTCAAACATCT
GAAAATCTCAACACTCCAACTGTGCCCTTCAGATTGTTGCAAGGCTGAAAAGCAACAACAGACAAGTG
TGCATTGACCCGAAATTAAGTGGATCCAAGAGTACCTGGACAAAGCCTTAAACAAGGGGCGCAGAGAAG
AAAAAGTGGGGAAAAAAGAAAAGATAGGAAAAAAGAAGCGACAGAAGAAGAGAAAAGCGGCCAGAAAAA
GAAAAACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001033883
Insert Size: 360 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001033883.1](#), [NP_001029055.1](#)

RefSeq Size: 5423 bp

RefSeq ORF: 360 bp

Locus ID: 24772

Cytogenetics: 4q42

Gene Summary: a chemoattractant molecule; involved in cell migration [RGD, Feb 2006]
Transcript Variant: This variant (3) uses an alternate 3' structure compared to variant 1, resulting in a novel 3' coding region and longer 3' UTR. It encodes isoform gamma which is longer and has a distinct C-terminus, compared to isoform alpha.