

## Product datasheet for **RR200482**

### Cxcl12 (NM\_001033883) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cxcl12 (NM_001033883) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cxcl12
Synonyms:	Sdf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200482 representing NM_001033883 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGCCAAGGTCGTCGCCGTGCTGGCCCTGGTGCTGGCCGCGCTCTGCATCAGTGACGGTAAGCCAG  
TCAGCCTGAGCTACAGATGCCCTGCCGATTCTTTGAGAGCCATGTCGCCAGAGCCAACGTCAAACATCT  
GAAAATCCTCAACTCCAACTGTGCCCTTCAGATTGTTGCAAGGCTGAAAAGCAACAACAGACAAGTG  
TGCATTGACCCGAAATTAAGTGGATCCAAGAGTACCTGGACAAAGCCTTAAACAAGGGGCGCAGAGAAG  
AAAAAGTGGGAAAAAAGAAAGATAGGAAAAAAGAAGCGACAGAAGAAGAGAAAGCGGCCCGAGAAAAA  
GAAAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR200482 representing NM_001033883 Red=Cloning site Green=Tags(s)
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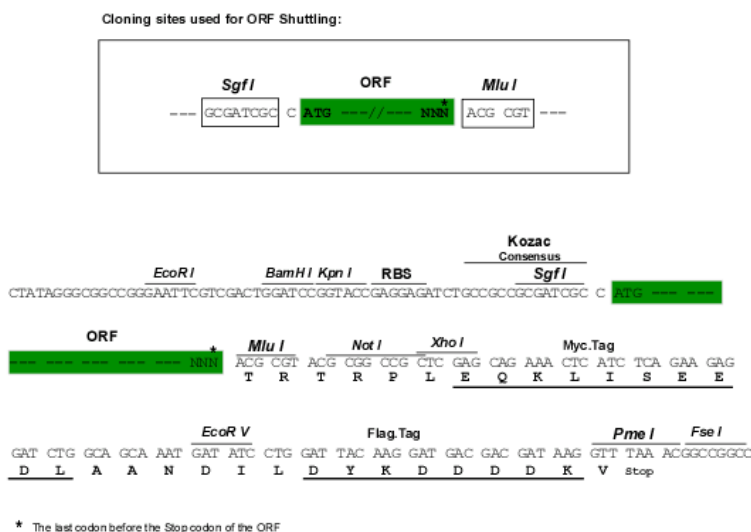
MDAKVVAVLALVLAALCISDGKPVSLSYRCPFRFFESHVARANVKHLKILNTPNCALQIVARLKSNNRQV  
CIDPKLKIWEYLDKALNKGREEKVGKKEIGKKRQKKRKAQKKKN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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### Cloning Scheme:



ACCN: NM 001033883

ORF Size: 357 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\\_001033883.1](#), [NP\\_001029055.1](#)

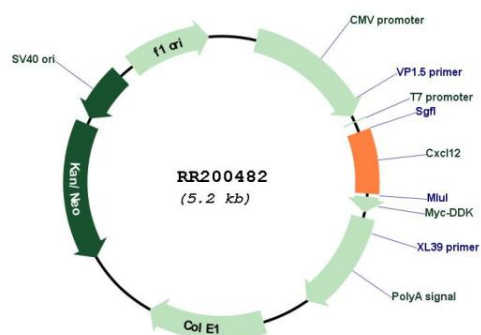
RefSeq Size: 5423 bp

RefSeq ORF: 360 bp

Locus ID: 24772

**Cytogenetics:** 4q42  
**MW:** 13.6 kDa  
**Gene Summary:** a chemoattractant molecule; involved in cell migration [RGD, Feb 2006]

### Product images:



Circular map for RR200482