

## **Product datasheet for RR213276**

### Cxcl10 (NM 139089) Rat Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: Cxcl10 (NM\_139089) Rat Tagged ORF Clone

Tag: Myc-DDK Symbol: Cxcl10

Synonyms: IP-10; Scyb10

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide >RR213276 representing NM\_139089

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAACCCAAGTGCTGCTGTCGTTCTCTGCCTCGTGCTGCTGAGTCTGAGTGGGACTCAAGGGATCCCTC
TCGCAAGAACGGTGCGCTGCACCTGCATCGACTTCCATGAACAGACGCTGAGACCCAGGGCCATAGGAAA
ACTTGAAATCATTCCTGCAAGTCTATCCTGTCCGCATGTTGAGATCATTGCCACAATGAAGAAGAACAAT
GAGAAGAGGTGTCTGAATCCGGAATCTGAGGCCATCAAGAGGCTTATTGAAAGCGGTGAGCCAAAGAAGAT

CAAAAAGAGCTCCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213276 representing NM\_139089

Red=Cloning site Green=Tags(s)

MNPSAAVVLCLVLLSLSGTQGIPLARTVRCTCIDFHEQTLRPRAIGKLEIIPASLSCPHVEIIATMKKNN

EKRCLNPESEAIKSLLKAVSQRRSKRAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

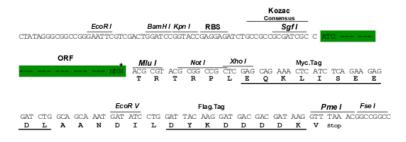
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



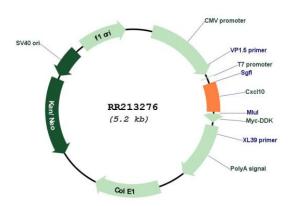
#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

### Plasmid Map:



**ACCN:** NM\_139089

ORF Size: 294 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

# Cxcl10 (NM\_139089) Rat Tagged ORF Clone - RR213276

**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: <u>NM 139089.1</u>, <u>NP 620789.1</u>

 RefSeq Size:
 1133 bp

 RefSeq ORF:
 297 bp

 Locus ID:
 245920

 UniProt ID:
 P48973

 Cytogenetics:
 14p22

 MW:
 10.7 kDa

**Gene Summary:** induces DNA synthesis, cell proliferation, and cell migration in vascular smooth muscle cells;

may play a role in vascular remodeling [RGD, Feb 2006]