

## Product datasheet for **RC210320**

### CXCL11 (NM\_005409) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CXCL11 (NM\_005409) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CXCL11  
**Synonyms:** b-R1; H174; I-TAC; IP-9; IP9; SCYB9B; SCYB11  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC210320 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTGTGAAGGGCATGGCTATAGCCTTGCTGTGATATTGTGTGCTACAGTTGTTCAAGGCTTCCCCA  
 TGTTCAAAGAGGACGCTGTCTTTGCATAGGCCCTGGGGTAAAAGCAGTGAAAGTGGCAGATATTGAGAA  
 AGCCTCCATAATGTACCCAAGTAACAAGTGTGACAAAATAGAAGTGATTATTACCCTGAAAGAAAATAAA  
 GGACAACGATGCCTAAATCCCAATCGAAGCAAGCAAGGCTTATAATCAAAAAGTTGAAAGAAAGAATT  
 TT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC210320 protein sequence  
 Red=Cloning site Green=Tags(s)

MSVKGMAIALAVILCATVVQGFPMFKRGRCLIGPGVKAVKVADIEKASIMYPSNNCDKIEVIITLKENK  
 GQRCLNPKSKQARLIKKVERKNF

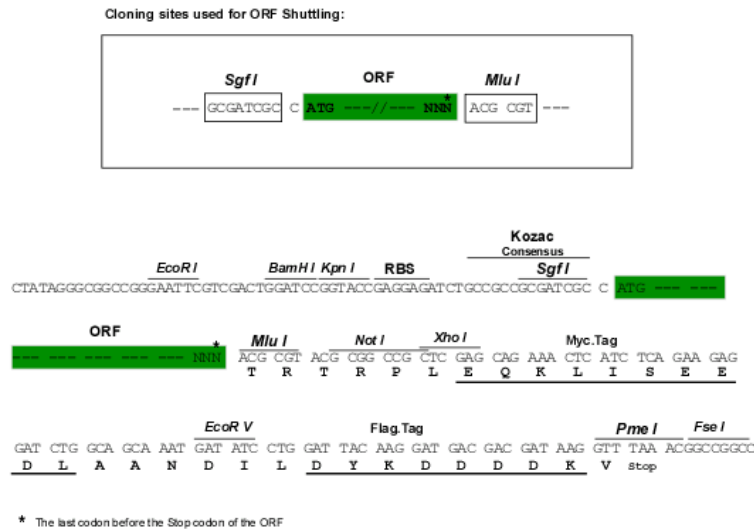
**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6003\\_a06.zip](https://cdn.origene.com/chromatograms/mk6003_a06.zip)

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_005409

**ORF Size:** 282 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.

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

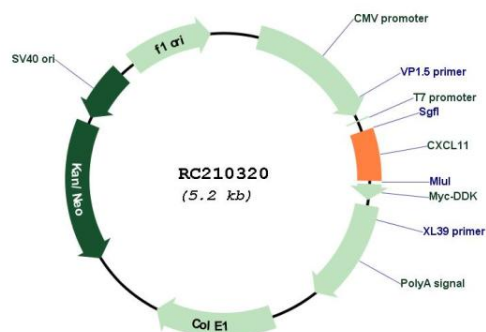
**RefSeq:** [NM\\_005409.5](#)

**RefSeq Size:** 1610 bp

**RefSeq ORF:** 285 bp

Locus ID:	6373
UniProt ID:	<a href="#">O14625</a>
Cytogenetics:	4q21.1
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Toll-like receptor signaling pathway
MW:	10.4 kDa
Gene Summary:	Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC. This antimicrobial gene is a CXC member of the chemokine superfamily. Its encoded protein induces a chemotactic response in activated T-cells and is the dominant ligand for CXC receptor-3. The gene encoding this protein contains 4 exons and at least three polyadenylation signals which might reflect cell-specific regulation of expression. IFN-gamma is a potent inducer of transcription of this gene. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]

## Product images:



Circular map for RC210320