

Product datasheet for **RG202707**

CXCL5 (NM_002994) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CXCL5 (NM_002994) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CXCL5
Synonyms: ENA-78; SCYB5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202707 representing NM_002994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCCTCCTGTCCAGCCGCGCGGCCCGTGTCCCGGTCCTTCGAGCTCCTTGTGCGCGCTGTTGGTGC
 TGCTGCTGCTGCTGACGCAGCCAGGGCCCATCGCCAGCGCTGGTCTGCCGCTGCTGTGTTGAGAGAGCT
 GCGTTGCGTTTGTACAGACCACGCAAGGAGTTCATCCCAAAATGATCAGTAATCTGCAAGTGTTCGCC
 ATAGGCCACAGTCTCAAGGTGGAAGTGGTAGCCTCCCTGAAGAACGGGAAGGAAATTTGTCTTGATC
 CAGAAGCCCTTTCTAAAGAAAGTCATCCAGAAAATTTGGACGGTGGAAACAAGGAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202707 representing NM_002994
 Red=Cloning site Green=Tags(s)
 MSLLSSRAARVPGPSSSLCALLVLLLLLTQPGPIASAGPAAAVLRELRCVCLQTTQGVHPKMI SNLQVFA
 IGPQCSKVEVVASLKNKKEICLDPEAPFLKKVIQKILDGGNKEN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_002994

ORF Size: 342 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_002994.5](#)

RefSeq Size: 2475 bp

RefSeq ORF: 345 bp

Locus ID: 6374

UniProt ID: [P42830](#)

Cytogenetics: 4q13.3

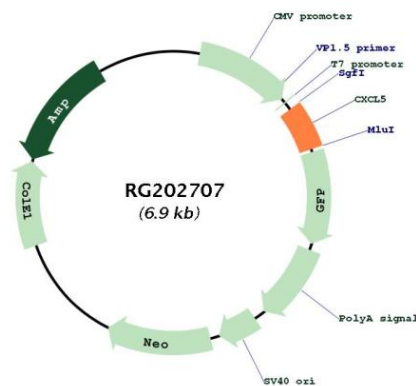
Domains: IL8

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary: This gene encodes a protein that is a member of the CXC subfamily of chemokines. Chemokines, which recruit and activate leukocytes, are classified by function (inflammatory or homeostatic) or by structure. This protein is proposed to bind the G-protein coupled receptor chemokine (C-X-C motif) receptor 2 to recruit neutrophils, to promote angiogenesis and to remodel connective tissues. This protein is thought to play a role in cancer cell proliferation, migration, and invasion. [provided by RefSeq, May 2013]

Product images:



Circular map for RG202707