

Product datasheet for **SC127695**

CXCL14 (NM_004887) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCL14 (NM_004887) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXCL14
Synonyms:	BMAC; BRAK; KEC; KS1; MIP-2g; MIP2G; NJAC; SCYB14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127695 sequence for NM_004887 edited (data generated by NextGen Sequencing) ATGTCCCTGCTCCCACGCCGCGCCCTCCGGTCAGCATGAGGCTCCTGGCGGCCGCGCTG CTCCTGCTGCTGCTGGCGCTGTACACCGCGCGTGTGGACGGTCCAAATGCAAGTGCTCC CGGAAGGGACCCAAGATCCGCTACAGCGACGTGAAGAAGCTGGAATGAAGCCAAAGTAC CCGCACTGCGAGGAGAAGATGGTTATCATCACCAAGAGCGTGTCCAGGTACCGAGGT CAGGAGCACTGCCTGCACCCCAAGCTGCAGAGCACCAAGCGCTTCATCAAGTGGTACAAC GCCTGGAACGAGAAGCGCAGGGTCTACGAAGAATAG

Clone variation with respect to NM_004887.4



[View online »](#)

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004887 unedited
GTAATACGACTCACTATAGGGCGGNNNNCGAATTCGGCACGAGNAGAGCGCGGAGACAAG
CGCAGAGCGCAGCGCACGGNNACAGACAGCCCTGGGCATCCACCGACGGCGCAGCCGGAG
CCAGCAGAGCCGGTNNNCGCCGCCCGGGCAGAGAAAGCCGAGCAGAGCTGGGTGGCGTCT
CCGGGCCGNNNCTCCGACGGGCCAGCGCCCTCCCATGTCCTGCTCCCACGCCCGGCC
CTNNGTCAAGTATGAGGCTCCTGGCGGCCGCGCTGCTCCTGCTGCTGCTGGCGNNNTACA
CCGCGCGTGTGGACGGGTCCAAATGCAAGTGTCCCGGAAGGGACCCNNNATCCGCTACA
CGGACGTGAAGAAGCTGGAAATGAAGCCAAAGTACCCGCACTNNNAGGAGAAGATGGTTA
TCATCACCAAGAGCGTGTCCAGGTACCGAGGTCAGNNNACTGCCTGCACCCCAAGC
TGCAGAGACCAAGCGCTTCATCAAGTGGTACAACGNNNNGAACGAGAAGCGCAGGGTCT
ACGAAGAATAGGGTGAAAAACCTCAGAAGGAAAAACNNNNAACCAGTTGGGAGACTTGTG
CANAGGACTTTGCAGATTAATAAAAAAAAAAAAAAAAAAACTAAATNNNNATATTGCGGCNCGC
GGTCATAGNCTGTTTCTGAACAGATCCCCGGGTGGCATCCCTTGTGACCCCTNNNNNNA
AACCTCTCCCTGCGCCCTGGAGTTGCCACCTCAGTGCCCCACAGCCCTTGCCTAATAAA
ATAAGTTGCCTNNNNTTTTCTGACTANGNGTCCTTCTATAAATATTGGGTGGAGGGGGGT
GGTATGGAGCAAGGGCAAGTTGGAAAAACTNNNNAATCTGCTGGGTTATGGGGACCAA
GCTGGATGCAGGGCACATTTTGGTTCCTGCATTTCGCTG
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_004887 unedited
GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAACTGCAAAGTCCTT
TGCACAAGTCTCCCAACTGGTTTGGAGTTTTCCCTTCTGAGGTTTTTACCCTATTCTTC
GTAGACCTGCGCTTCTCGTTCAGGCGTGTACCACTTGATGAAGCGCTTGGTGTCTG
CAGCTTGGGGTGCAGGCAAGTGTCTGACCTCGGTACCTGGACACGCTCTTGGTGGTGAT
GATAACCATCTTCTCCTCGCAGTGCGGGTACTTTGGCTTCATTTCCAGCTTCTTACGTC
GCTGTAGCGGATCTTGGGTCCCTTCCGGGAGCACTTGCATTTGGACCCGTCCACACGCGC
GGTGTACAGCGCCAGCAGCAGGAGCAGCGCGGCCCGCCAGGAGCCTCATGCTGACCGG
AGGGGCGCGCGTGGGAGCAGGGACATGGGGAGGGCGCTGGCCCGTCGGAGCGCGGGCC
GGAGACGCCACCCAGCTCTGCTCGGCTTCTCTGCCCGGGCGCGCTTCCGGCTCTGCT
GGCTCCGGCTGCGCCGTGGTGGATGCCAGGGCTGTCTGTGGCCGTGCGCTGCGCTCTG
CGCTTGTCTCCGCGCTCCTCCTGTCGCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTA
CAAAATCTGACGGTTCATAAACGAGCTCTGCTTATATAGACCTNCCACCGTACACGCC
TACCGCCATTTGCGTCAACGGGCGGGTTATTACGACATTTTGAAAAGTCCCCTTGTAT
TNTGGTGCCAAAACAACTCCCATTNGACGTCATGGGGTGGAGACTTGGAAATCCCCGTG
AGTCAAACCGCTATCCCACGCCATTGGTGTACTGCCAAAACCGCATCACATGGTAATACC
GATGACTAATACCTAAATGTACTGCCAAC
```

Restriction Sites:

NotI-NotI

ACCN:

NM_004887

Insert Size:

380 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](#)

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_004887.3](#), [NP_004878.2](#)

RefSeq Size: 1968 bp

RefSeq ORF: 336 bp

Locus ID: 9547

UniProt ID: [O95715](#)

Cytogenetics: 5q31.1

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

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

Gene Summary: This antimicrobial gene belongs to the cytokine gene family which encode secreted proteins involved in immunoregulatory and inflammatory processes. The protein encoded by this gene is structurally related to the CXC (Cys-X-Cys) subfamily of cytokines. Members of this subfamily are characterized by two cysteines separated by a single amino acid. This cytokine displays chemotactic activity for monocytes but not for lymphocytes, dendritic cells, neutrophils or macrophages. It has been implicated that this cytokine is involved in the homeostasis of monocyte-derived macrophages rather than in inflammation. [provided by RefSeq, Sep 2014]