

Product datasheet for SC116746

CXCL11 (NM_005409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CXCL11 (NM_005409) Human Untagged Clone
Tag:	Tag Free
Symbol:	CXCL11
Synonyms:	b-R1; H174; I-TAC; IP-9; IP9; SCYB9B; SCYB11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116746 sequence for NM_005409 edited (data generated by NextGen Sequencing)

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ATGAGTGTGAAGGCATGGCTATAGCCTTGGCTGTGATATTGTGTGCTACAGTTGTTCAA
GGCTTCCCATGTTCAAAGAGGACGCTGTCTTTGCATAGGCCCTGGGGTAAAAGCAGTG
AAAGTGGCAGATATTGAGAAAGCCTCCATAATGTACCCAAGTAACAAGTGTGACAAAATA
GAAGTGATTATTACCCTGAAAGAAAATAAAGGACAACGATGCCTAAATCCCAAATCGAAG
CAAGCAAGGCTTATAATCAAAAAAGTTGAAAGAAAGAATTTTTAA
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Clone variation with respect to NM_005409.4

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005409 unedited
GGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAAGAAGAGC
AGCAAAGCTGAAGTAGCAGCAACAGCACCAGCAGCAACAGCAAAAAACAAACATGAGTGT
GAAGGGCATGGCTATAGCCTTGGCTGTGATATTGTGTGCTACAGTTGTTCAAGGCTTCCC
CATGTTCAAAAGAGGACGCTGTCTTTGCATAGGCCCTGGGGTAAAAGCAGTGAAAGTGGC
AGATATTGAGAAAGCCTCCATAATGTACCCAAGTAACAAGTGTGACAAAATAGAAGTGAT
TATTACCCTGAAAGAAAATAAAGGACAACGATGCCTAAATCCCAAATCGAAGCAAGCAAG
GCTTATAATCAAAAAAGTTGAAAGAAAGAATTTTTAAAAATATCAAACATATGAAGTCC
TGGAAAAGGGCATCTGAAAACCTAGAACAAGTTAACTGTGACTACTGAAATGACAAGA
ATTCTACAGTAGGAAACTGAGACTTTTTCTATGGTTTTGTGACTTTCAACTTTTGTACAGT
TATGTGAAGGATGAAAGGTGGGTGAAAGGACCAAAAACAGAAATACAGTCTTCTCTGAATG
AATGACAATCAGAATCCACTGCCCAAAGGAGTCCAACAATTAATGATTTCTAGGAAA
AGCTACCTTAAGAAAGGCTGGTTACCATCGGAGTTTACAAAGTGCTTTCACGTTCTTACT
TGNTGTATTATACATTCATGATTTCTAGGCTAGAGAACCTTCTAGATTTGATGCTTACA
ACTATTCTGTTGTGACTATGAGAACATTNCTGTCTCTAGAAGNTATCTGNCTGNNATGAT
CTTATGCTATATACTATCTGNGGNTACAGTGAGACATGACATTATACTGGAGTCAGCCCT
TATAACAAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005409 unedited TGTACCGCGCCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAA AAAAAAGTTGGGGTAGTTTATTAGAAAAAAAATGACTTTGATTCTTTAAACTAGTCT TGAGTATACCTAAATTTACAGTATATAGGCATGAACAAAGAAATTGATTAGATTATGTA TTTTCTAAGAGACAGAATTACAAAAAGTAAAAGTGATTGCTAGGTATACATTTGCTTAT TTTTCAACATTTTCTTTGGTAGACAAAAACATTTTGTATTTCAAATGTGTCCAAGATAT TGCTATCATTTATACAAACGGATCAAAACAAAAAGTACAGTAAACACACATATCCTAATT GCTTCAAAACATCTCACTGAATAAAAAGTTGAAAAACATCAAATTAACACCGGGGCTGCTA ATTCGGTTATGAAATATGCGCACTGTCGCCGCACTCCATACCCTATAACTTCTCCGATA CGCCATTTTATGAATCACATCCAACGAATCCGGCATAAAACACACCATCCGCCGCTCAG AACGTTTGGCCCTCTCCAGCCGCCCTCCACCCTCTCCGCGAAACAACACTGTGCGTTCTC TTCAAATAACCACTCCGGACTGTCCCTCTACAACAATACACCTTTCCCTTCTCCGGTCT TACTTACATTCTTACGCCCTTACCTCTCTCCTCCTCCCTCCAATTACATTCTCACA TCTCCCTCCCATCTACCTCCCTACTATCCCTCCCTCCCTCTCTCCAATTCCTACTACC TTAATTCTGCTGACCCTCTCCCTCCTCCTCCTAGCCCAACGCACAATCCATCATACCTA GCACCCACCTCACCCCCCTCATCCCCACCCACCAATCTATTCTACCCCTAACTCCCG ACGCCCTNGTCCATACCCCTACCAGACCCTCCCTACACCCTCACATACCATTTACAC CTCATCACTCAACCTATCC
Restriction Sites:	NotI-NotI
ACCN:	NM_005409
Insert Size:	1570 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_005409.3</u> , <u>NP_005400.1</u>
RefSeq Size:	1493 bp
RefSeq ORF:	285 bp
Locus ID:	6373
UniProt ID:	<u>O14625</u>
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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes isoform 1.</p>