

## Product datasheet for SC118266

### Eotaxin (CCL11) (NM\_002986) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eotaxin (CCL11) (NM_002986) Human Untagged Clone
Tag:	Tag Free
Symbol:	Eotaxin
Synonyms:	SCYA11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_002986 edited ATGAAGGTCTCCGCAGCACTTCTGTGGCTGCTCATAGCAGCTGCCTTCAGCCCCCAG GGGCTCGCTGGGCCAGCTTCTGTCCCAACCACCTGCTGCTTTAACCTGGCCAATAGGAAG ATACCCCTTCAGCGACTAGAGAGCTACAGGAGAATCACCAGTGGCAAATGTCCCCAGAAA GCTGTGATCTTCAAGACCAAACTGGCCAAGGATATCTGTGCCGACCCCAAGAAGAAGTGG GTGCAGGATTCATGAAGTATCTGGACCAAAAATCTCCAACCTCCAAGCCATAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002986 unedited ATTTTGTAAATACGACTCACTATAGGGCGCCGCAATTCGGCACGAGCCAAACCCAGAAA CCACCACCTCTCACGCCAAAGCTCACACCTTCAGCCTCCAACATGAAGGTCTCCGCAGCA CTTCTGTGGCTGCTGCTCATAGCAGCTGCCTTCAGCCCCCAGGGGCTCGCTGGGCCAGCT TCTGTCCCAACCACCTGCTGCTTTAACCTGGCCAATAGGAAGATACCCCTTCAGCGACTA GAGAGCTACAGGAGAATCACCAGTGGCAAATGTCCCCAGAAAAGCTGTGATCTTCAAGACC AAACTGGCCAAGGATATCTGTGCCGACCCCAAGAAGAAGTGGGTGCAGGATTCATGAAG TATCTGGACCAAAAATCTCCAACCTCCAAGCCATAAATAATCACCATTTTGAACCAAA CCAGAGCCTGAGTGTTCCTAATTTGTTTTCCCTTCTTACAATGCATTCTGAGGTAACCT CATTATCAGTCCAAAGGCATGGGTTTTATTATATATATATATATTTTTTTTTAAAAAAA AAAACGTATTGCATTTAATTTATTGAGGCTTTAAAACCTTATCCTCCATGAATATCAGTTA TTTTTAAACTGTAAAGCTTTGTGCAGATTTTACCCCTGNGAGCCCAATTTCGATCCC CTGTACAGTGTGGCAATGTTCCCCCTCTCCTCTCTTCTCCCTGGAATCTTGTAAGGT CCTGCCAAGATGATCAGTATGAAAATGTCTTTGTTCTTGTGACCCAAAGTGTGACTCATT AAATGGAATAAAATGTTGTTTTAGGGATAAAAAAAAAAAAAACAAAAAAGTTCGACTTTG ATTGCGGCCGCGGCATAACTGTTTCTGACAAAACCA



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<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002986 unedited  GGCACGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAACCCTAAAACAAC  ATTTACTTCCATTTAATGAGTCACACTTTGGGTTCAACAAGAACAATGACATTTTCATACT  GATCATCTTTGCCAGGACCTTTACAAGATTCCAGGGAGGAAGAGAGGAGAGGGGGAACAT  TGCCACACAGTGACAGGGGATCGAATTGGGGCTCCAGGGGTAAGAATCTGCACAAAG  CTTTACAGTTTAAAAATAACTGATTTTCATGGAGGATAAGTTTTAAAGCCTCAATAAATT  AAATGCAATACGTTTTTTTTTTTTAAAAAAAATATATATATATAATAAAAACCCATGCC  CTTTGGACTGATAATGAGGTTACCTCAGAATGCATTGTAAGAAGGAAAAACAAATTAGGC  AACACTCAGGCTCTGGTTTGGTTTCAAAAATGGTGATTATTTATGGCTTTGGAGTTGGAG  ATTTTTGGTCCAGATACTTCATGGAATCCTGCACCCACTTCTTCTGGGGTCGGCACAGA  TATCCTTGGCCAGTTTGGTCTTGAAGATCACAGCTTTCTGGGGACATTTGCCACTGGTGA  TTCTCCTGTAGTCTCTAGTCGCTGAAGGGTATCTTCTATTGGCCANGTTAAAGCAGC  AGGTGGTTGGGACAGAATCTGGCCCAACGAGCCCTGGGGGCTGAATGCATCTGCTA  TTAACACCACCCAGAAATGCTCGGAACTTCATGGTGGAGGCTGAAGGTGTGAACTTT  TGCGTGAAGGGGGGGTTTTTGGGTTGGCCCTTGCCAAATCCGGCCCGCTATAAT  GAGTCCGATTACAAAATTTTACGGGTCCTAAACGAGCTCTGTTTTATTACACCCAC  CGACCGCTACCGCCATTGTGGTAAGGGGCGGGGTTACAAACTTTTAAAAATCCGT  TGTTTTGGGCGCCAAACAACCTCCATGGCGGG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002986
<b>Insert Size:</b>	840 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_002986.2</a> , <a href="#">NP_002977.1</a>

RefSeq Size:	925 bp
RefSeq ORF:	294 bp
Locus ID:	6356
UniProt ID:	<a href="#">P51671</a>
Cytogenetics:	17q12
Domains:	IL8
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Asthma, Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway
Gene Summary:	<p>This antimicrobial gene is one of several chemokine genes clustered on the q-arm of chromosome 17. Chemokines form a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CC subfamily, displays chemotactic activity for eosinophils, but not mononuclear cells or neutrophils. This eosinophil-specific chemokine is thought to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. [provided by RefSeq, Sep 2014]</p>