

Product datasheet for **SC303260**

Eotaxin 2 (CCL24) (NM_002991) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eotaxin 2 (CCL24) (NM_002991) Human Untagged Clone
Tag:	Tag Free
Symbol:	Eotaxin 2
Synonyms:	Ckb-6; MPIF-2; MPIF2; SCYA24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002991 edited ATGGCAGGCCTGATGACCATAGTAACCAGCCTTCTGTTCCCTTGGTGTCTGTGCCACCAC ATCATCCCTACGGGCTCTGTGGTCATCCCCTCTCCCTGCTGCATGTTCTTTGTTTCCAAG AGAATTCCTGAGAACCGAGTGGTCAGCTACCAGCTGTCCAGCAGGAGCACATGCCTCAAG GCAGGAGTGATCTTACCACCAAGAAGGGCCAGCAGTTCTGTGGCGACCCCAAGCAGGAG TGGGTCCAGAGGTACATGAAGAACCTGGACGCCAAGCAGAAGAAGGCTTCCCCTAGGGCC AGGGCAGTGGCTGTCAAGGGCCCTGTCCAGAGATATCCTGGCAACCAACCACCTGCTAA GGGCTAGAGCGGCCGC
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002991 unedited GGTACGTTTGTATACGACTCCTATAGGGCGGCCGCGTAACCTTCTGCAGCCCGGGGATC CGCCCATGGCAGGCCTGATGACCATAGTAACCAGCCTTCTGTTCCCTTGGTGTCTGTGCC ACCACATCATCCCTACGGGCTCTGTGGTCATCCCCTCTCCCTGCTGCATGTTCTTTGTTT CCAAGAGAATTCCTGAGAACCGAGTGGTCAGCTACCAGCTGTCCAGCAGGAGCACATGCC TCAAGGCAGGAGTGATCTTACCACCAAGAAGGGCCAGCAGTTCTGTGGCGACCCCAAGC AGGAGTGGGTCCAGAGGTACATGAAGAACCTGGACGCCAAGCAGAAGAAGGCTTCCCCTA GGGCCAGGGCAGTGGCTGTCAAGGGCCCTGTCCAGAGATATCCTGGCAACCAACCACCT GCTAAGGGCTAGAGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCAGGTTGGCATCC CTGTGACCCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAG CCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATAT TATGGGGTGGAGGGGGTGGTATGGAGCAAGGGGCAAGTTGGGAAGACAACCTGTAGGGC CTGCGGGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCAAT CTCCGCCCTCTGGGTTCAAGCGATTCTCCTGCCTCAGCCTCCCAGTGTGGATTCCAG GCATGCATGACCAGGCTCAGCTAATTTTGTGTTTTGGTAGAGACGGGTTTACCATATT GGTCAGGCTGGTCTCAACTCTAATCTCAGTGATCTACCCACCTGGCCCTCCAATGTGCTG GGAGTACAGGAGTGAACAACATGACTTCTTC



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3' Read Nucleotide Sequence:	>Forward primer walk for NM_002991 unedited CCCCCCGTTTGGACAACTGGGCGGTAGGCGCTGTACGGTGGGAGGGTCTATATAAGCAG AGCTCGTTTAGTGAACCGTCAGAATCTTGTAAACGACCCACCACAGGGCGGCCGGAAC CCCTGCAGCCCGGGGACCCGCCACGGCAGGCCTGATGACCACAGTAACCAGCCCCCG TTCCCCGGTGCCCGTGCCACCACATCATCCCTACGGGCCCGTGGTCACCCCCTCTCCC TGCTGCATGCTCTTTGTTTCCAAGAGAATCCCTGAGAACCGAGTGGTCAGCCACCAGCCG TCCAGCAGGAGCACATGCCTCAAGGCAGGAGTGACCTTACCACCAAGAAGGGCCAGCAG TTCTGTGGCGACCCCAAGCAGGAGTGGGTCCAGAGGTACATGAAGAACCTGGACGCCAAG CAGAAGAAGGCTTCCCCTAGGGCCAGGGCAGTGGCTGTCAAGGGCCCTGTCCAGAGATAT CCTGGCAACCAAACACCTGCTAAGGGCTAGAGCGGCCGCGTCTAGCTGTTTCCTGAA CAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTG CCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACT AGGTGTCCTTCTATATATTATGGGTGGAGGGGGTGGTAATGGAGAAAAAGTTCAAGTT GGGAATGACAACATGTACGGCCTGCGATGTCTATTGGGAACCAAGTAGTAATGCAGTGG ATCTACTCGTGCAGTCACTGCAGTCTCCGACTGCTAGGTTCTAGGCGATACTGCTGGCCT CAGCCTTCCGACGTTGATTGGAGTCCATGCGTGGCATGACCAGCTATCTAACTCTGATGT ACTGCTAAATGCGGGGTTTA
Restriction Sites:	Please inquire
ACCN:	NM_002991
Insert Size:	400 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	NM_002991.2 , NP_002982.2
RefSeq Size:	360 bp
RefSeq ORF:	360 bp
Locus ID:	6369
UniProt ID:	O00175
Cytogenetics:	7q11.23

Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	<p>This gene belongs to the subfamily of small cytokine CC genes. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity on resting T lymphocytes, a minimal activity on neutrophils, and is negative on monocytes and activated T lymphocytes. This protein also has antimicrobial activity, displaying an antibacterial effect on <i>S. pneumoniae</i>, <i>S. aureus</i>, Non-typeable <i>H. influenzae</i>, and <i>P. aeruginosa</i>. Finally, the protein is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. [provided by RefSeq, Jul 2020]</p>