

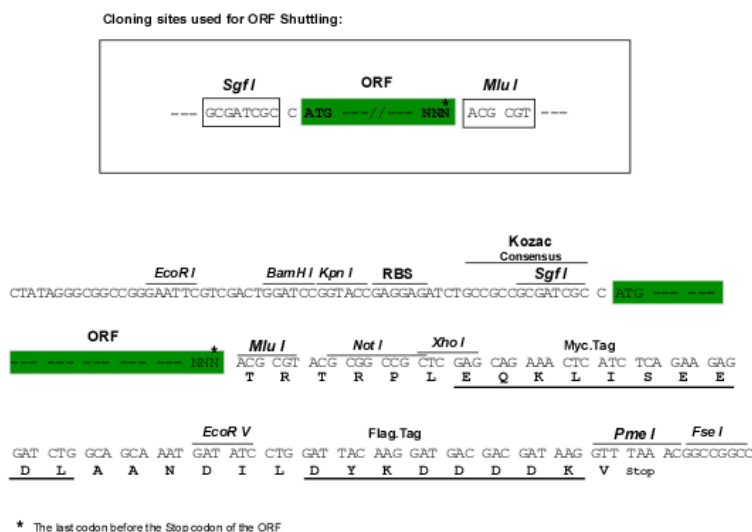
Product datasheet for RC212044

Eotaxin 3 (CCL26) (NM_006072) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eotaxin 3 (CCL26) (NM_006072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eotaxin 3
Synonyms:	IMAC; MIP-4a; MIP-4alpha; SCYA26; TSC-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>RC212044 representing NM_006072 Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC</p> <p>ATGATGGGCCTCTCCTTGGCCTCTGCTGTGCTCCTGGCCTCCCTCCTGAGTCTCCACCTTGAAGTCCCA CACGTGGGAGTGACATATCCAAGACCTGCTGCTTCCAATACAGCCACAAGCCCCTTCCCTGGACCTGGGT GCGAAGCTATGAATTCACCAAGTAAACAGCTGCTCCAGCGGGCTGTGATATTCCTACCAAAAGAGGCAAG AAAGTCTGTACCCATCCAAGGAAAAAATGGGTGCAAAAATACATTCTTTACTGAAAACCTCCGAAACAAT TG</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>>RC212044 representing NM_006072 Red=Cloning site Green=Tags(s)</p> <p>MMGLSLASAVLLASLLSLHLGTATRGSDISKTCFQYSHKPLPWTWVRSYEFTSNSCSQRAVIFTTKRGK KVCTHPRKKWVQKYISLLKTPKQL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Chromatograms:	https://cdn.origene.com/chromatograms/mk6124_b03.zip
Restriction Sites:	SgfI-MluI


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Cloning Scheme:


ACCN: NM_006072

ORF Size: 282 bp

OTI Disclaimer: 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_006072.4](#), [NP_006063.1](#)

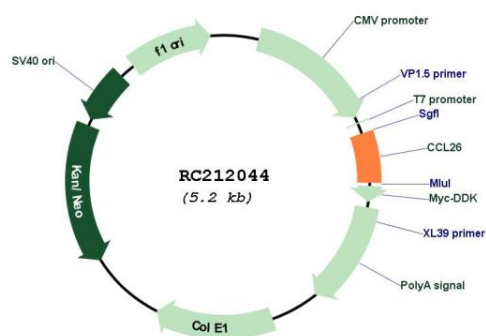
RefSeq Size: 562 bp

RefSeq ORF: 285 bp

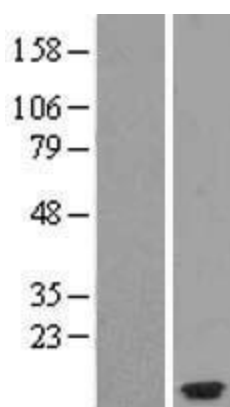
Locus ID: 10344

UniProt ID:	Q9Y258
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
MW:	10.65 kDa
Gene Summary:	This gene is one of two Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 7. 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 for normal peripheral blood eosinophils and basophils. 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> . The product of this gene is one of three related chemokines that specifically activate chemokine receptor CCR3. This chemokine may contribute to the eosinophil accumulation in atopic diseases. [provided by RefSeq, Jul 2020]

Product images:



Circular map for RC212044



Western blot validation of overexpression lysate (Cat# [LY401828]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212044 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).