

Product datasheet for RC220724

Eotaxin 2 (CCL24) (NM_002991) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eotaxin 2 (CCL24) (NM_002991) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eotaxin 2
Synonyms: Ckb-6; MPIF-2; MPIF2; SCYA24
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220724 representing NM_002991
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGCTGATGACCATAGTAACCAGCCTTCTGTTCCCTGGTGTCTGTGCCACCACATCATCCCTA
CGGGCTCTGTGGTCATCCCCTCTCCCTGCTGCATGTTCTTTGTTTCCAAGAGAATTCCTGAGAACCAGT
GGTCAGCTACCAGCTGTCCAGCAGGAGCACATGCCTCAAGGCAGGAGTGATCTTCACCACCAAGAAGGGC
CAGCAGTTCTGTGGCGACCCAAGCAGGAGTGGGTCCAGAGGTACATGAAGAACCCTGGACCCAAGCAGA
AGAAGGCTTCCCCTAGGGCCAGGCAGTGGCTGTCAAGGGCCCTGTCCAGAGATATCCTGGCAACCAAAAC
CACCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220724 representing NM_002991
Red=Cloning site Green=Tags(s)
MAGLMTIVTSLFLGVCAHHIIPTGSVVIPSPCCMFFVSKRIPENRVVSYQLSSRSTCLKAGVIFTTKKG
QQFCGDPKQEWVQRYMKNLDAKQKKASPRARAVAVKGPVQRYPGNQTTTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6098_g06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_002991

ORF Size: 357 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_002991.3](#)

RefSeq Size: 360 bp

RefSeq ORF: 360 bp

Locus ID: 6369

UniProt ID: [O00175](#)

Cytogenetics: 7q11.23

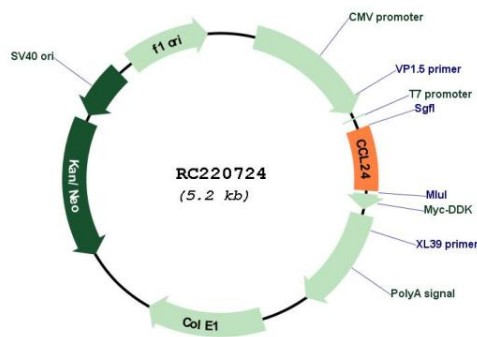
Protein Families: Druggable Genome, Secreted Protein, Transmembrane

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

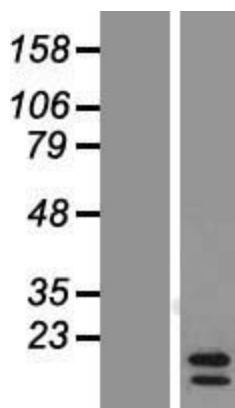
MW: 13.13 kDa

Gene Summary: 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 *S. pneumoniae*, *S. aureus*, Non-typeable *H. influenzae*, and *P. aeruginosa*. Finally, the protein is a strong suppressor of colony formation by a multipotential hematopoietic progenitor cell line. [provided by RefSeq, Jul 2020]

Product images:



Circular map for RC220724



Western blot validation of overexpression lysate (Cat# [LY418969]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220724 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).