

## Product datasheet for **RG220724**

### 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:** TurboGFP  
**Symbol:** Eotaxin 2  
**Synonyms:** Ckb-6; MPIF-2; MPIF2; SCYA24  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220724 representing NM\_002991  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGGCTGATGACCATAGTAACCAGCCTTCTGTTCCCTGGTGTCTGTGCCACCACATCATCCCTA  
 CGGGCTCTGTGGTCATCCCCTCTCCCTGCTGCATGTTCTTTGTTTCCAAGAGAATTCCTGAGAACCGAGT  
 GGTCAGCTACCAGCTGTCCAGCAGGAGCACATGCCTCAAGGCAGGAGTGATCTTCACCACCAAGAAGGGC  
 CAGCAGTTCTGTGGCGACCCCAAGCAGGAGTGGGTCCAGAGGTACATGAAGAACCTGGACGCCAAGCAGA  
 AGAAGGCTTCCCCTAGGGCCAGGCAGTGGCTGTCAAGGGCCCTGTCCAGAGATATCCTGGCAACCAAAC  
 CACCTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG220724 representing NM\_002991  
 Red=Cloning site Green=Tags(s)  
 MAGLMTIVTSLFLGVCAHHIIPTGSVVIPSPCCMFFVSKRIPENRVVSYQLSSRSTCLKAGVIFTTKKG  
 QQFCGDPKQEWVQRYMKNLDAKQKKASPRARAVAVKGPVQRYPGNQTTTC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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.

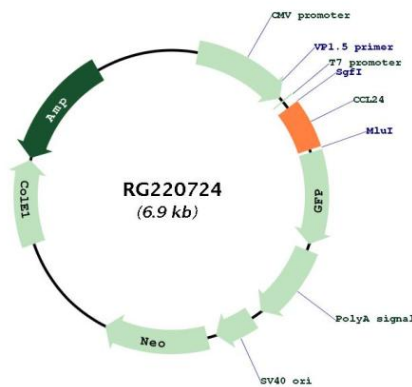
**RefSeq:** [NM\\_002991.3](#)

**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  
**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 RG220724