

## Product datasheet for **RG206579**

### Exodus 2 (CCL21) (NM\_002989) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Exodus 2 (CCL21) (NM\_002989) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Exodus 2  
**Synonyms:** 6Ckine; CKb9; ECL; SCYA21; SLC; TCA4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206579 representing NM\_002989  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCAGTCACTGGCTCTGAGCCTCCTATCCTGGTTCTGGCCTTTGGCATCCCCAGGACCCAAGGCA  
GTGATGGAGGGGCTCAGGACTGTTGCCTCAAGTACAGCCAAAGGAAGATTCCCGCAAGTTGTCCGCAG  
CTACCGGAAGCAGGAACCAAGCTTAGGCTGCTCCATCCCAGCTATCCTGTTCTTGGCCCGCAAGCGCTCT  
CAGGCAGAGCTATGTGCAGACCCAAAGGAGCTCTGGGTGCAGCAGCTGATGCAGCATCTGGACAAGACAC  
CATCCCCACAGAAACCAGCCAGGGCTGCAGGAAGGACAGGGGGCCTCAAGACTGGCAAGAAAGGAAA  
GGCTCCAAGGCTGCAAGAGGACTGAGCGGTACAGACCCTAAAGGGCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG206579 representing NM\_002989  
Red=Cloning site Green=Tags(s)

MAQSLALSLILVLAFGIPRTQGSDDGGAQDCCLKYSQRKIPAKVVRYSYRQEPSLGCIPAILFLPRKRS  
QAELCADPKELWVQQLMQHLDKTPSPQKPAQGCRCRDRGASKTGKKGKSGKCRTERSQTPKGP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_002989

**ORF Size:** 402 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.

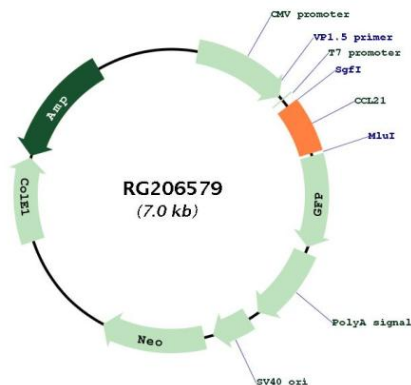
**RefSeq:** [NM\\_002989.4](#)

**RefSeq Size:** 878 bp

**RefSeq ORF:** 405 bp

**Locus ID:** 6366  
**UniProt ID:** [O00585](#)  
**Cytogenetics:** 9p13.3  
**Protein Families:** Druggable Genome, Secreted Protein  
**Protein Pathways:** Chemokine signaling pathway, Cytokine-cytokine receptor interaction  
**Gene Summary:** This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19). [provided by RefSeq, Sep 2014]

**Product images:**



Circular map for RG206579