

Product datasheet for **RG233308**

TECK (CCL25) (NM_001201359) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TECK (CCL25) (NM_001201359) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TECK
Synonyms: Ckb15; Ck beta-15; SCYA25; TECK
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233308 representing NM_001201359
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCTGTGGCTCCTGGCCTGCCTGGTGGCCGGCTTCCTGGGAGCCTGGGCCCCCGCTGTCCACACCC
 AAGGTGTCTTTGAGGACTGCTGCCTGGCCTACCACTACCCATTGGGTGGGCTGTGCTCCGGCGCGCCTG
 GACTTACCGGATCCAGGAGGTGAGCGGGAGCTGCAATCTGCCTGCTGCGATATTCTACCTCCCAAGAGA
 CACAGGAAGGTGTGTGGGAACCCAAAAGCAGGGAGGTGCAGAGGCCATGAAGCTCCTGGATGCTCGAA
 ATAAGGTTTTTGCAAAGCTCCACCACAACACGCAGACCTTCCAAGCCCTCATGCTGTAAGAAGTTGAG
 TTCTGGAAACTCCAAGTTATCATCGTCCAAGTTTAGCAATCCCATCAGCAGCAGTAAGAGGAATGTCTCC
 CTCTGATATCAGCTAATTCAGGACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233308 representing NM_001201359
 Red=Cloning site Green=Tags(s)

MNLWLLACLVAGFLGAWAPAVHTQGVFEDCCLAYHYPIGWAVLRRAWTYRIQEVSGSCNLPAAIFYLPKR
 HRKVCGNPKSREVQRAMKLLDARNKVFAKLHHNTQTFQGPHAVKLLSSGSKLSSSKFNSPISSSKRNV
 LLISANSGL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001201359

ORF Size: 447 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_001201359.1](#), [NP_001188288.1](#)

RefSeq Size: 999 bp

RefSeq ORF: 450 bp

Locus ID: 6370

UniProt ID: [O15444](#)

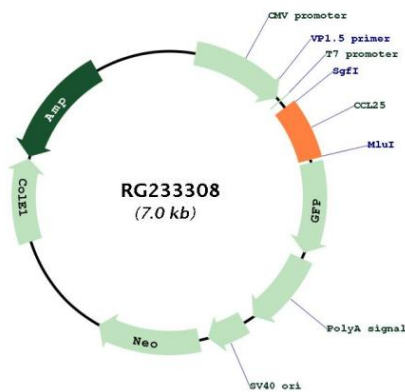
Cytogenetics: 19p13.2

Protein Families: Druggable Genome, Secreted Protein

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

Gene Summary: This antimicrobial 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 for dendritic cells, thymocytes, and activated macrophages but is inactive on peripheral blood lymphocytes and neutrophils. The product of this gene binds to chemokine receptor CCR9. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RG233308