

Product datasheet for **RG229702**

CD84 (NM_001184882) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | CD84 (NM_001184882) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CD84 |
| Synonyms: | hCD84; LY9B; mCD84; SLAMF5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG229702 representing NM_001184882 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGCACCACTATGGATCTTGCTCCTTTGCCTGCAAACCTGTCGGCTTGGGAAACCAAAAATTA
CACAGAGTTTAAATGGCATCTGTGAACAGCACCTGTAATGTCACACTGACATGCTCTGTAGAGAAAGAAGA
AAAGAATGTGACATAACAATTGGAGTCCCCTGGGAGAAGAGGGTAATGTCCTTCAAATCTCCAGACTCCT
GAGGACCAAGAGCTGACTTACACGTGTACAGCCCAGAACCCTGTCAGCAACAATTCTGACTCCATCTCTG
CCCGGCAGCTCTGTGCAGACATCGCAATGGCTTCCGTAACACACCCGGGTTGCTGAGCGTGTGGC
TATGTTCTTTCTGCTTGTCTCATTCTGTCTTCAGTGTTTTTGTCCGTTTGTCAAGAGAAGACAAGAT
GCTGCCTCAAAGAAAACCATATACATATATCATGGCTTCAAGGAACACCCAGCCAGCAGAGTCCAGAA
TCTATGATGAAATCCTGCAGTCCAAGGTGCTTCCCTCCAAGGAAGAGCCAGTGAACACAGTTTATCCGA
AGTGCAGTTTGTGATAAGATGGGGAAAGCCAGCACACAGGACAGTAAACCTCCTGGGACTTCAAGCTAT
GAAATTGTGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229702 representing NM_001184882
Red=Cloning site Green=Tags(s)

MAQHHLWILLLLCLQTCRLGKPKITQSLMASVNSTCNVTLTCSVEKEEKNVTYNWSPLGEEGNVLQIFQTP
 EDQELTYTCTAQNPVSNNSDSISARQLCADIAMGFRTHHTGLLSVLAMFFLLVILSSVFLFRLFKRRQD
 AASKKTIYTYIMASRNTQPAESRIYDEILQSKVLPskeepvntvysevqfADKMGKASTQDSKPPGTSSY
 EIVI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001184882

ORF Size: 642 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_001184882.1](#), [NP_001171811.1](#)

RefSeq Size: 7903 bp

RefSeq ORF: 645 bp

Locus ID: 8832

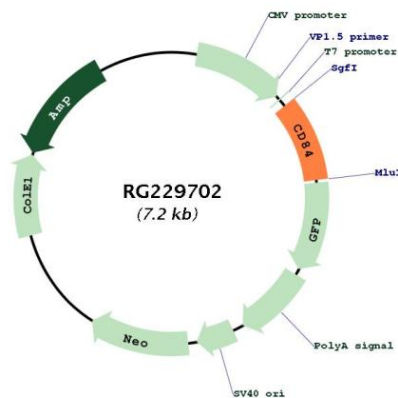
UniProt ID: [Q9UIB8](#)

Cytogenetics: 1q23.3

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a membrane glycoprotein that is a member of the signaling lymphocyte activation molecule (SLAM) family. This family forms a subset of the larger CD2 cell-surface receptor Ig superfamily. The encoded protein is a homophilic adhesion molecule that is expressed in numerous immune cells types and is involved in regulating receptor-mediated signaling in those cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RG229702