

Product datasheet for **RG229804**

CD84 (NM_001184881) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD84 (NM_001184881) 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:	>RG229804 representing NM_001184881 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAGCACCTATGGATCTTGCTCCTTTGCCTGCAAACCTGGCCGGAAGCAGCTGGAAAAGACT
CAGAAATCTTCACAGTGAATGGGATTCTGGGAGAGTCAGTCACCTTCCCTGTAATATCCAAGAACCACG
GCAAGTAAAATCATTGCTTGGACTTCTAAAACATCTGTTGCTTATGTAACACCAGGAGACTCAGAAACA
GCACCCGTAGTTACTGTGACCCACAGAAATTATTGAACGGATACATGCCTTAGGTCGAACTACAATC
TGTCATTAGCGATCTGAGGATGGAAGACGCAGGAGACTACAAAGCAGACATAAAATACACAGGCTGATCC
CTACACCACCAAGCGCTACAACCTGCAATCTATCGTCGGCTTGGGAAACAAAAATTACACAGAGT
TTAATGGCATCTGTGAACAGCACCTGTAATGTCACACTGACATGCTCTGTAGAGAAAAGAAGAAAAGAAATG
TGACATACAATTGGAGTCCCCTGGGAGAAGAGGGTAATGTCTTCAAATCTTCCAGACTCCTGAGGACCA
AGAGCTGACTTACACGTGTACAGCCAGAACCCTGTCAGCAACAATTCTGACTCCATCTCTGCCCGGCGAG
CTCTGTGACAGACATCGCAATGGGCTTCCGTACTCACCACACCGGGTTGCTGAGCGTGCTGGCTATGTTCT
TTCTGCTGTTCTCATTCTGCTTCAGTGTTTTTGTCCGTTTGTTCAGAGAAGACAAGGTGCTTCCCT
CCAAGGAAGAGCCAGTGAACACAGTTTATTCCGAAGTGCAGTTTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229804 representing NM_001184881
 Red=Cloning site Green=Tags(s)

MAQHLLWILLLLCLQTWPEAAGKDSEIFTVNGILGESVTFPVNIQEPRQVKIIAWTSKTSVAYVTPGDSET
 APVVTVTHRNYERIHALGPNYNLVIDLRMEDAGDYKADINTQADPYTTTKRYNLQIYRRLGKPKITQS
 LMASVNSTCNVTLTCSVEKEEKNVTYNWSPLGEEGNVLQIFQTPEDQELTYTCTAQNPVSNNSDSISARQ
 LCADIAMGFRTHHTGLLSVLAMFFLLVLILSSVFLFRLFKRRQGASLQGRASEHSLFRSAVC

TRTRPLE - GFP Tag - V

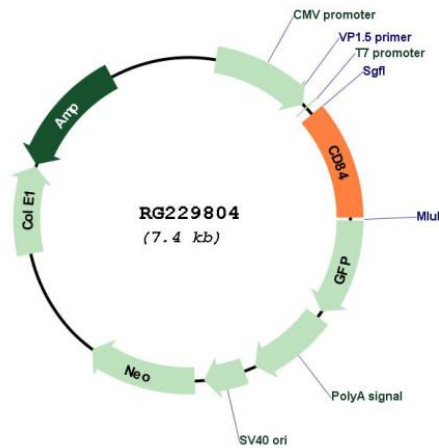
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001184881

ORF Size: 816 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:	<ol style="list-style-type: none">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_001184881.2
RefSeq Size:	8147 bp
RefSeq ORF:	819 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]