

## Product datasheet for **RC229702**

### CD84 (NM\_001184882) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD84 (NM\_001184882) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CD84  
**Synonyms:** hCD84; LY9B; mCD84; SLAMF5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC229702 representing NM\_001184882  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTCAGCACCTATGGATCTTGCTCCTTTGCCTGCAAACCTGTCGGCTTGGGAAACCAAAAATTA  
CACAGAGTTTAAATGGCATCTGTGAACAGCACCTGTAATGTCACACTGACATGCTCTGTAGAGAAAGAAGA  
AAAGAATGTGACATAACAATTGGAGTCCCCTGGGAGAAGAGGGTAATGTCCTTCAAATCTCCAGACTCCT  
GAGGACCAAGAGCTGACTTACACGTGTACAGCCCAGAACCCTGTCAGCAACAATTCTGACTCCATCTCTG  
CCCGGCAGCTCTGTGCAGACATCGCAATGGGCTCCGTACTCACCACACCGGGTTGCTGAGCGTGTGGC  
TATGTTCTTTCTGCTTGTCTCATTCTGTCTTCAGTGTTTTTGTTCCGTTTGTCAAGAGAAGACAAGAT  
GCTGCCTCAAAGAAAACCATATACATATATCATGGCTTCAAGGAACCCAGCCAGCAGAGTCCAGAA  
TCTATGATGAAATCCTGCAGTCCAAGGTGCTTCCCTCCAAGGAAGAGCCAGTGAACACAGTTTATTCCGA  
AGTGCAGTTTGTGATAAGATGGGGAAGCCAGCACACAGGACAGTAAACCTCCTGGGACTTCAAGCTAT  
GAAATTGTGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229702 representing NM\_001184882  
 Red=Cloning site Green=Tags(s)

MAQHHLWILLLLCLQTCRLGKPKITQSLMASVNSTCNVTLTCSVEKEEKNVTYNWSPLGEEGNVLQIFQTP  
 EDQELTYTCTAQNPVSNNSDSISARQLCADIAMGFRTHHTGLLSVLAMFFLLVLILSSVFLFRLFKRRQD  
 AASKKTIYTYIMASRNTQPAESRIYDEILQSKVLPskeepvntvysevqfADKMGKASTQDSKPPGTSSY  
 EIVI

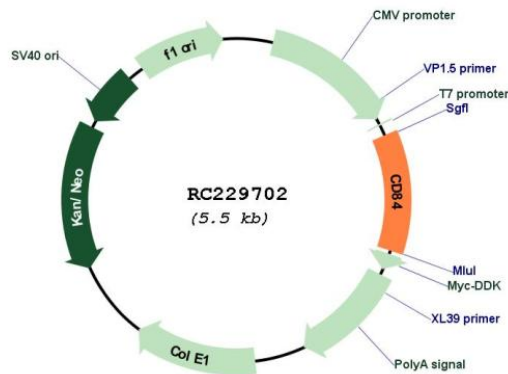
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001184882

**ORF Size:** 642 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001184882.1</a> , <a href="#">NP_001171811.1</a>
<b>RefSeq ORF:</b>	645 bp
<b>Locus ID:</b>	8832
<b>UniProt ID:</b>	<a href="#">Q9UIB8</a>
<b>Cytogenetics:</b>	1q23.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	24.5 kDa
<b>Gene Summary:</b>	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]