

Product datasheet for RC232057

CLECL1 (NM_001253750) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLECL1 (NM_001253750) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CLECL1
Synonyms: DCAL-1; DCAL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232057 representing NM_001253750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTTAGTAATTTCTTCCATGTCATACAAGTATTCGAGAAATCTGCTACCTTGATTAGTAAGACTGAAC
 ACATTGGTTTTGTCATTTATTTCATGGAGGAAGTCCACCACCCACTTGGGGAGCAGAAGGAAATTTGCCAT
 CTCAATTTACTTATCAGAAGTTTCTTTCAGAAATATGATTGTCCCTTCAGTGGGACATCATTTGTGGTC
 TTCTCTCTTTTTGATCTGTGCAATGGCTGGAGATGTAGTCTACGCTGACATCAAACTGTTCCGACTT
 CCCCGTTAGAACTCGCGTTTCCACTTCAGAGATCTGTTTCTTCACTTTTCTACTGTCCATAAATCATG
 TCCTGCCAAAGACTGGAAGGTGCATAAGGGAAAATGTTACTGGATTGCTGAACTAAGAAATCTTGGAAC
 AAAAGTCAAAATGACTGTGCCATAAAACAATTCATATCTCATGGTGATTCAAGACATTACTGCTATGCTGA
 TCACCTTTTTGCTGTACCTTCAAATGGCATTCTTCAATGTGTGTACATCTCTGATGTCTGTGTATCC
 AAATTTCTTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232057 representing NM_001253750
 Red=Cloning site Green=Tags(s)

MVSNFFHVIQVFEKSATLISKTEHIGFVIYSWRKSTTHLGSRRKFAISIYLSEVSLQKYDCPFSGTSFV
 FSLFLICAMAGDVVYADIKTVRTSPLLEAFPLQRSVSNFSTVHKSCPAKDWKVKYKCYWIAETKKS
 WNKSQNDCAINNSYLMVIQDITAMLITFLLYLQMAFLQCVYISDVSVPNFLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001253750

ORF Size: 573 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_001253750.1](#), [NP_001240679.1](#)

RefSeq Size: 1586 bp

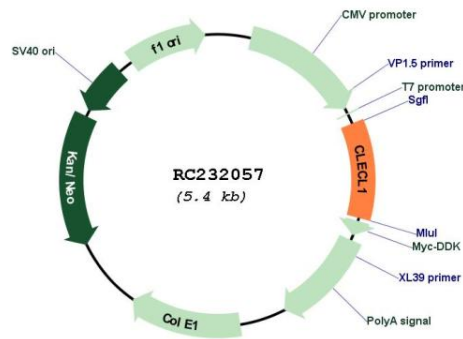
RefSeq ORF: 576 bp

Locus ID: 160365

UniProt ID: [Q8IZS7](#)

Cytogenetics: 12p13.31
Protein Families: Druggable Genome
MW: 22.4 kDa
Gene Summary: This gene encodes a type II transmembrane, C-type lectin-like protein that is highly expressed on dendritic and B cells. This protein may act as a T-cell costimulatory molecule that enhances interleukin-4 production, and maybe involved in the regulation of the immune response. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC232057