

Product datasheet for RC203301

C1D (NM_173177) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1D (NM_173177) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C1D
Synonyms: hC1D; LRP1; Rrp47; SUN-CoR; SUNCOR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC203301 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCAGGTGAAGAAATTAATGAAGACTATCCAGTAGAAATTCACGAGTATTTGTCAGCGTTTGAGAATT
CCATTGGTGCTGTGGATGAGATGCTGAAGACCATGATGTCTGTTTCTAGAAATGAGTTGTTGCAGAAAGT
GGATCCACTTGAACAAGCAAAGTGGATTTGGTTTCTGCATACACATTAATCAATGTTTTGGGTTTAT
TTGGCAACCCAAGGAGTTAATCCTAAGGAACATCCAGTAAACAGGAATTGGAAAGAATCAGAGTATATA
TGAACAGAGTCAAGGAAATAACAGACAAGAAAAAGGCTGGCAAGCTGGACAGAGGTGCAGCTTCAAGATT
TGTAATAAATGCCCTCTGGGAACCAAAATCGAAAAATGCATCAAAAGTTGCCAATAAGGAAAAAGTAA
AGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203301 protein sequence
 Red=Cloning site Green=Tags(s)

MAGEEINEDYPVEIHEYLSAFENSIGAVDEMLKTMMSVSRNELLQKLDPLEQAKVDLVSAAYTLNSMFWVY
LATQGVNPKHEHPVKQELERIRVYMNRVKEITDKKAGKLDRGAASRFVKNALWEPKSKNASKVANKGKSK
S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

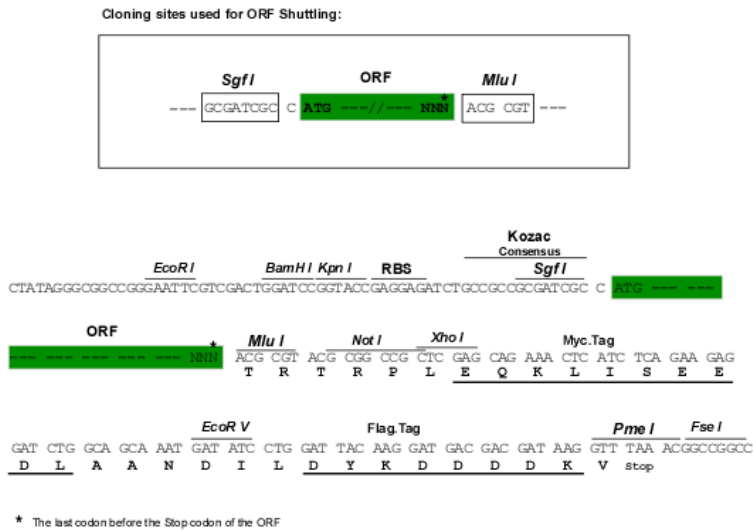
Chromatograms: https://cdn.origene.com/chromatograms/mk6428_a12.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173177

ORF Size: 423 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173177.3](#)

RefSeq Size: 1194 bp

RefSeq ORF: 426 bp

Locus ID: 10438
 UniProt ID: [Q13901](#)

Cytogenetics: 2p14

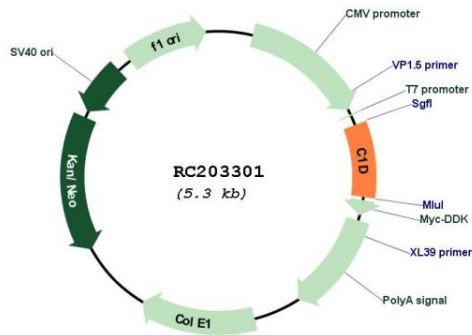
Protein Families: Druggable Genome

Protein Pathways: RNA degradation

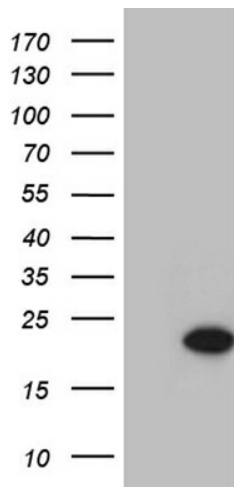
MW: 16 kDa

Gene Summary: The protein encoded by this gene is a DNA binding and apoptosis-inducing protein and is localized in the nucleus. It is also a Rac3-interacting protein which acts as a corepressor for the thyroid hormone receptor. This protein is thought to regulate TRAX/Translin complex formation. Alternate splicing results in multiple transcript variants that encode the same protein. Multiple pseudogenes of this gene are found on chromosome 10.[provided by RefSeq, Jun 2010]

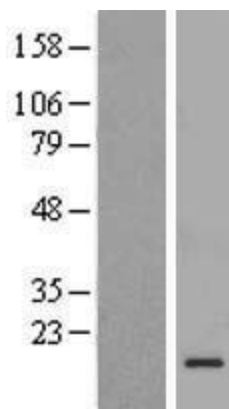
Product images:



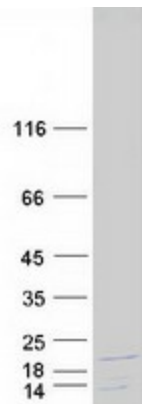
Circular map for RC203301



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C1D (Cat# RC203301, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C1D (Cat# [TA810508])(1:2000). Positive lysates [LY406634] (100ug) and [LC406634] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY406634]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203301 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C1D protein (Cat# [TP303301]). The protein was produced from HEK293T cells transfected with C1D cDNA clone (Cat# RC203301) using MegaTran 2.0 (Cat# [TT210002]).