

Product datasheet for MR200907

C1d (NM_020558) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C1d (NM_020558) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: C1d
Synonyms: 1110036E10Rik; AI875855; SUN-CoR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200907 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGTGAAGAAATGAATGAAGATTATCCCGTAGAAATTCACGAGTCTTTAACAGCCCTGGAGAGCT
CCCTGGGTGCTGTGGATGACATGCTGAAGACCATGATGGCTGTTTCTAGAAATGAGTTGTTGCAGAAAGT
GGACCCATTGGAACAAGCAAAGGTGGATTTAGTTTCTGCATACACCTTAAATTCAATGTTTTGGGTTTAT
TTGGCAACTCAAGGAGTTAATCCCAAAGAGCATCCAGTGAAGCAGGAAGTGGAAAGAATCAGAGTCTACA
TGAACAGAGTTAAAGAAATAACAGACAAGAAGAAGGCTGCCAAGCTGGACAGAGGTGCTGCTTCGAGATT
TGTC AAGAACGCACTCTGGGAACCCAAAGCAAAAAGCACACCAAAAAGTGGCTAATAAAGGGAAAAGCAAA
CAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200907 protein sequence
Red=Cloning site Green=Tags(s)
MAGEEMNEDYPVEIHESLTALESSLGAVDDMLKTMMAVSRNELLQKLDPLEQAKVDLVSAITLNSMFWVY
LATQGVNPKVQELERIRVYMNVRKEITDKKAAKLDRGAASRFVKNALWEPKAKSTPKVANKGKSK
H

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_020558

ORF Size: 426 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_020558.1](#), [NM_020558.2](#), [NM_020558.3](#), [NM_020558.4](#), [NP_065583.2](#)

RefSeq Size: 2957 bp

RefSeq ORF: 426 bp

Locus ID: 57316

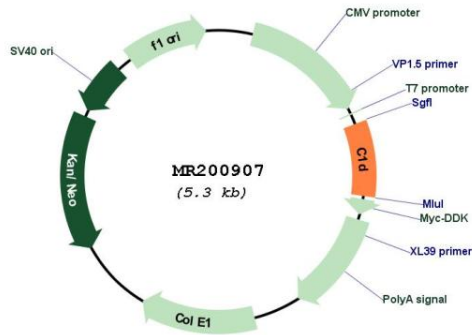
UniProt ID: [O35473](#)

Cytogenetics: 11 A2

MW: 15.9 kDa

Gene Summary: Plays a role in the recruitment of the RNA exosome complex to pre-rRNA to mediate the 3'-5' end processing of the 5.8S rRNA; this function may include MPHOSPH6. Can activate PRKDC not only in the presence of linear DNA but also in the presence of supercoiled DNA. Can induce apoptosis in a p53/TP53 dependent manner. May regulate the TRAX/TSN complex formation. Potentiates transcriptional repression by NR1D1 and THRB (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200907