

Product datasheet for RC232128

C16orf5 (CDIP1) (NM_001199054) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf5 (CDIP1) (NM_001199054) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C16orf5
Synonyms:	C16orf5; CDIP; I1; LITAFL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232128 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGCGAGCCTCCCCCTCCTTATCCTGGGGCCCCACAGCCCCACTTCTGGAAGAGAAAAGTGGAG
CCCCGCCACCCAGGCCGTTCTCCCCAGCTGTGATGCAGCCCCCTCCAGGCATGCCACTGCCCCCTGC
GGACATTGGCCCCCACCTATGAGCCCGGGTACCCAATGCCCCAGCCTGGTTCATCCCACCACAC
ATGAGTGCAGATGGCACCTACATGCCTCGGGTTTCTACCCTCCTCCAGGCCCCACCCACCCATGGGT
ACTACCCCCAGGGCCCTACACGCCAGGGCCCTACCCTGGCCCTGGGGCCACACAGCCACAGTCTGGT
CCCTTCAGGAGCTGCCACCACGGTGACAGTGTGCAGGGAGAGATCTTTGAGGGAGCGCCTGTGCAGACG
GTGTGTCCCCACTGCCAGCAGGCCATCACCACCAAGATCTCTACGAGATTGGCTTGATGAATTCGTGC
TGGGTTTCTTCTGTTGCTTCATGGGATGTGATCTGGGCTGCTGCCTGATCCCCTGCCTCATCAATGACTT
CAAGGATGTGACGCACACATGCCCCAGCTGCAAAGCCTACATCTACACGTACAAGCGCCTGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC232128 protein sequence Red=Cloning site Green=Tags(s)
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MSSEPPPPYPGGPTAPLLEEKSGAPPTGRSSPAVMQPPPGMPLPPADIGPPPYEPPGHMPQPGFIPPH
MSADGTYMPPGFYPPPGPHPPMGYYPPGPYTPGPYPGGHTATLVPSGAATTVTLQGEIFEGAPVQT
VCPHCQQAITTKISYEIGLMNFVLGFFCCFMGCDLGCCLIPCLINDFKDVTHTCPSCKAYIYTKRLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6391_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001199054

ORF Size: 624 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_001199054.2](#)

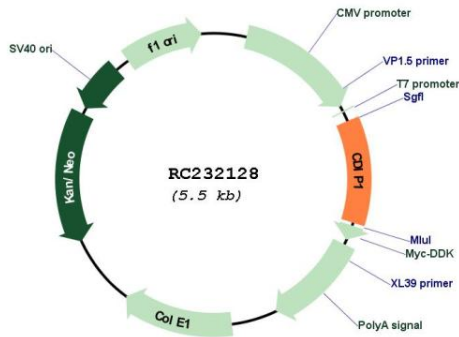
RefSeq Size: 2774 bp

RefSeq ORF: 627 bp

Locus ID: 29965

UniProt ID: [Q9H305](#)
Cytogenetics: 16p13.3
Protein Families: Transmembrane
MW: 21.9 kDa
Gene Summary: Acts as an important p53/TP53-apoptotic effector. Regulates TNF-alpha-mediated apoptosis in a p53/TP53-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC232128