

Product datasheet for **RC202535**

C16orf48 (ENKD1) (NM_032140) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf48 (ENKD1) (NM_032140) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C16orf48
Synonyms:	C16orf48; DAKV6410; FBB11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202535 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCGAGGGCCCGTCCCGCATCTCGGGGCCCATCCCCCAGACCCGACGCTCTGTCTGACAACTACA
GGCGGCCGACCTCGGCTCAAGGGCGCCTCGAGGAAACGCGCTGAAGCTGGACTTGCTGACTTCCGACCG
GGCCCTGGACACCACCGTCCCCGTGGCCCTGCATCGGTCCCGTGCCGGAGAGATCTGGAGCGCGGC
CAGCGCGCGTCTGGGACGTGCTGTTGCAACTCGAGGGGATCTCCCTAGGTCCTGGGGCTCTCTCAAGA
GGAAGGACCTAAGGACCATGAGAAGGAGAACCTGAGGCGGATCAGGGAGATTGAGAAGCGCTTCAGAGA
ACAGGAGCGCAGCCGGGAGCAGGGCCAGCCAGGCCCTGAAAGCTCTGTGGCGCTCACCCAAGTACGAC
AAGGTGGAGTCCCGGTCAAGGCCAGCTCCAGGAGCCTGGCCCTGCCTCTGGGACAGAGTCTGCCCACT
TCCTGCGGGCGCACTCCCGCTGCGGCCCTGGCCTCCACCAACCCCATGTATCTAGTCCCCAGCCAACCC
ACCAGGTCCCGAAGCTAAGGAGCCAGGCCTGGGGTGGACTTCATTGCTCACAATGCACGAGCTGCCAAG
AGAGCCCCCGGAGGCATTCTGCTCACTGCAGGTCTGGCACAAGTGTAGAGCAGCAGCGCAGGCC
AGGAGCACTACAATGCCACGCAGAAGGGCCATGTGCCACATTACTTGTGGAGCGCAGGGACCTGTGGCG
GCGGGAGGCCGAGGCCGCAAGCAGAGCCAGCCGAGCCCTGCCATGCCCCAGGCCACACGCGCATGCCT
GAGAACCAGCGGCTGAAACACTGACCAAGCTGCTCCAGAGCCAGAGCCAGCTGCTGCGTGAGCTGGTAC
TGCTGCCGTGCTGGGGCAGACTCACTGAGAGCCAGAGCCACCGTGTGAGCTGGACCGGAAGCTGGTGCA
GGTAGAGGAGGCATCAAGATCTTTTCTCGGCCAAAGTCTTCGTGAAGATGGACGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202535 protein sequence
 Red=Cloning site Green=Tags(s)

MCEGPSRISGPIPPDPTLCPDNYRRPTSAQGRLEGNAKLDLLTSDRALDTTAPRGPCIGPGAGEILERG
 QRGVGDVLLQLEGISLPGASLKRKDPKDHEKENLRRIREIQKRFREQERSREQQPRPLKALWRSPKYD
 KVESRVKAQLQEPGPASGTESAHLRAHSRCGGLPPPHVSSPQTPPGPEAKEPGLGVDFIRHNARA
 RAPRRHSCSLQVLAQVLEQQRQAQEHYNATQKGHVPHYLLERRDLWRREAEARKQSQPDAMP
 PPGHTRMP
 ENQRLETLTKLLQSQSLLREL VLLPAGADSLRAQSHRAELDRKLVQVEEAIKIFSRPKVFKMDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6410_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032140

ORF Size: 1038 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_032140.3

RefSeq Size: 1628 bp

RefSeq ORF: 1041 bp

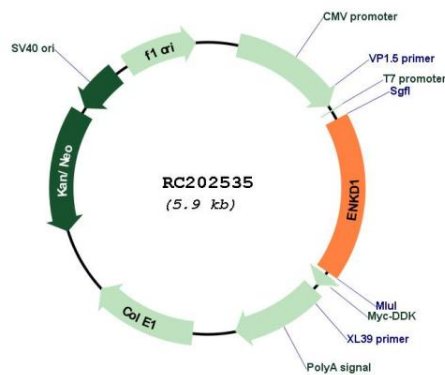
Locus ID: 84080

UniProt ID: Q9H0I2

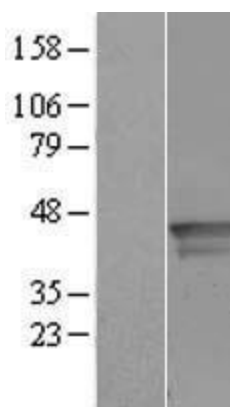
Cytogenetics: 16q22.1

MW: 38.8 kDa

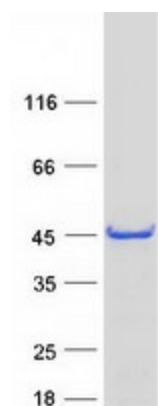
Product images:



Circular map for RC202535



Western blot validation of overexpression lysate (Cat# [LY410333]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202535 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ENKD1 protein (Cat# [TP302535]). The protein was produced from HEK293T cells transfected with ENKD1 cDNA clone (Cat# RC202535) using MegaTran 2.0 (Cat# [TT210002]).