

Product datasheet for **RG202535**

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:	TurboGFP
Symbol:	C16orf48
Synonyms:	C16orf48; DAKV6410; FBB11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202535 representing NM_032140 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCGAGGGCCCGTCCCGCATCTCGGGGCCCATCCCCCAGACCCGACGCTCTGTCTGACAACTACA
GGCGGCCGACCTCGGCTCAAGGGCGCCTCGAGGAAACGCGCTGAAGCTGGACTTGCTGACTTCCGACCG
GGCCCTGGACACCACCGTCCCGTGGCCCTGCATCGGTCCCGTGCCGGAGAGATCTGGAGCGCGGC
CAGCGCGCGTCTGGGACGTGCTGTTGCAACTCGAGGGGATCTCCCTAGGTCCTGGGCTCTCTCAAGA
GGAAGGACCTAAGGACCATGAGAAGGAGAACCTGAGGCGGATCAGGGAGATTGAGAAGCGCTTCAGAGA
ACAGGAGCGCAGCCGGGAGCAGGGCCAGCCAGGCCCTGAAAGCTCTGTGGCGCTCACCCAAGTACGAC
AAGGTGGAGTCCCGGTCAAGGCCAGCTCCAGGAGCCTGGCCCTGCCTCTGGGACAGAGTCTGCCCACT
TCCTGCGGGCGCACTCCCGCTGCGGCCCTGGCCTCCACCAACCCCATGTATCTAGTCCCCAGCCAACCC
ACCAGGTCCCGAAGCTAAGGAGCCAGGCTGGGGTGGACTTCATTGCTCACAATGCACGAGCTGCCAAG
AGAGCCCCCGGAGGCATTCTGCTCACTGCAGGTCCTGGCACAAGTGTAGAGCAGCAGCGGACGGCC
AGGAGCACTACAATGCCACGCAGAAGGGCCATGTGCCACATTACTGTTGGAGCGCAGGGACCTGTGGCG
GCGGGAGGCCGAGGCCGCAAGCAGAGCCAGCCGACCTGCCATGCCCCAGGCCACACGCGCATGCCT
GAGAACCAGCGGCTGAAACACTGACCAAGCTGCTCCAGAGCCAGAGCCAGCTGCTGCGTGAGCTGGTAC
TGCTGCCGTGCTGGGCGAGACTCACTGAGAGCCAGAGCCACCGTGTGAGCTGGACCGAAGCTGGTGCA
GGTAGAGGAGGCCATCAAGATCTTTTCTCGGCCAAAGTCTTCGTGAAGATGGACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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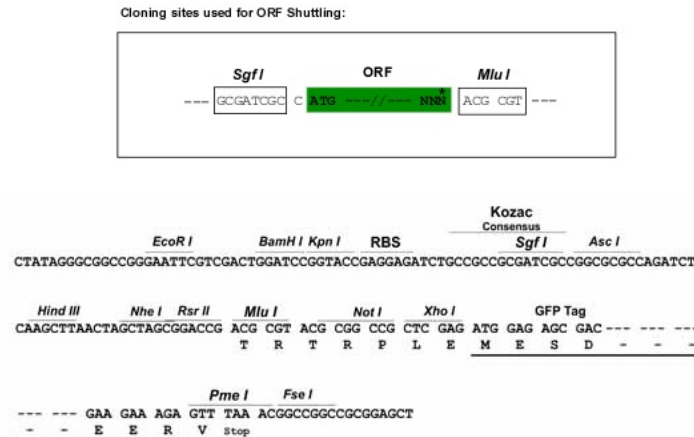
Protein Sequence: >RG202535 representing NM_032140
 Red=Cloning site Green=Tags(s)

MCEGPSRISGPIPPDPTLCPDNYRPTSAGGRLEGNAKLDLLTSDRALDTTAPRGPCIGPGAGEILERG
 QRGVGDVLLQLEGISLPGASLKRKDPKDEKENLRRIREIQKRFREQERSREQGQPRPLKALWRSPKYD
 KVESRVKAQLQEPGPASGTESAHLRAHSRCGGLPPPHVSSPQTPPGPEAKEPGLGVDFIRHNARA
 RAPRRHSCSLQVLAQVLEQQRQAQEHYNATQKGHVPHYLLERRDLWRREAEARKQSQDPAMP
 PPGHTRMP
 ENQRLETLTKLLQSQSLREL VLLPAGADSLRAQSHRAELDRKLVQVEEAIKIFSRPKVFKMDD

TRTRPLE – GFP Tag – V

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

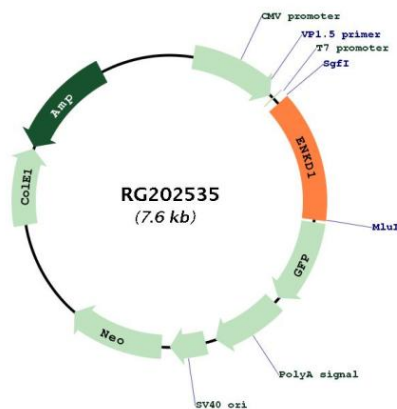
RefSeq ORF: 1041 bp

Locus ID: 84080

UniProt ID: Q9H0I2

Cytogenetics: 16q22.1

Product images:



Circular map for RG202535