

Product datasheet for **RC233502**

ANKRD46 (NM_001270379) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD46 (NM_001270379) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD46
Synonyms:	ANK-S; GENX-115279
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233502 representing NM_001270379 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTATGTTTTGTAAATGATTCTTCTCAGACTAACGTGCCCTTGCTGCAAGCCTGTATTGATGGG
ACTTTAATTATTCCAAGCGGCTTTGGAAAGTGGCTTTGACCAAATATTCGTGACAGCAGGGGCAGAAC
AGGCCTTCACCTTGCAGCAGCTCGAGGGAATGTAGACATCTGCCAGTTACTGCATAAATTCGGTGCCGAT
CTTCTGGCCACAGATTATCAAGGAAACACAGCTCTTCACCTCTGTGGCCATGTGGATACTATCCAATTTT
TGGTTTCCAATGGACTCAAAATTGATATTTGCAATCATCAAGGTGCTACCCCTTTAGTTCTGGCAAAGCG
CAGAGGAGTAAATAAAGATGTCATCCGATTGCTGGAATCTTTGGAAGAACAGGAGGTGAAAGGATTTAAC
AGAGGAACCCACTCGAACTGGAGACCATGCAAAACAGCTGAGAGTGAAAGTGCCATGGAAAGCCATTAC
TCCTCAATCCCAACCTGCAGCAAGGTGAAGGAGTCCTCTCCAGCTTCGAACCACGTGGCAGGAGTTTGT
GGAGGATCTGGGCTTCTGGAGAGTATTGCTGTTGATCTTCGTATTGCTTTGCTGTCTCTTGGCATTGCT
TATTATAGAAGGACACTGAGGCTTGAAGCTTTGCAAGGCAAGACAGAAGCCGAATCCAGGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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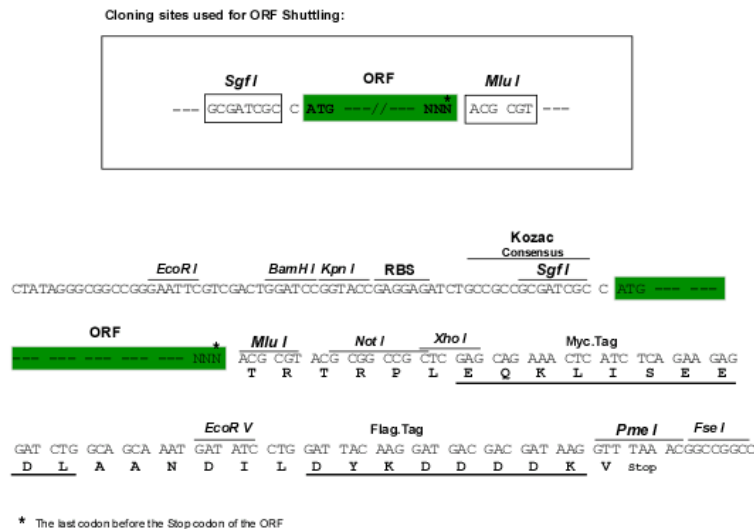
Protein Sequence: >RC233502 representing NM_001270379
 Red=Cloning site Green=Tags(s)

MSYVFVNDSSQTNVPLLQACIDGDFNYSKRLLESFGDPNIRDNRGRTGLHLAAARGNVNDICQLLHKFGAD
 LLATDYQGNTALHLCGHVDTIQFLVSNGLKIDICNHQGATPLVLAKRRGVNKKDVIRLLESLEEVEVKGFN
 RGTHSKLETMQTAESAMESHLLNPNLQQGEGVLSSFRTTWQEFVEDLGFWRVLLIFVIALLSLGIA
 YRRTLRLGSAFQDRSRIQAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001270379

ORF Size: 696 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_001270379.2](#)

RefSeq Size: 1741 bp

RefSeq ORF: 699 bp

Locus ID: 157567

UniProt ID: [Q86W74](#)

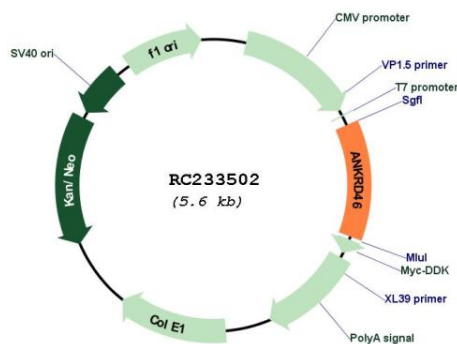
Cytogenetics: 8q22.3

Protein Families: Transmembrane

MW: 26.4 kDa

Gene Summary: This gene encodes a protein containing multiple ankyrin repeats. Ankyrin domains function in protein-protein interactions in a variety of cellular processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RC233502