

Product datasheet for RC209286

ANKRD46 (NM_198401) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ANKRD46 (NM_198401) 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: >RC209286 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTCGTATGTTTTGTAATGATTCTTCTCAGACTAACGTGCCCTTGCTGCAAGCCTGTATTGATGGGG
 ACTTTAATTATTCCAAGCGGCTTTTGGAAAGTGGCTTTGACCCAAATATTCGTGACAGCAGGGGCAGAAC
 AGGCCTTCACCTTGCAGCAGCTCGAGGGAATGTAGACATCTGCCAGTTACTGCATAAATTCGGTGCCGAT
 CTTCTGGCCACAGATTATCAAGGAAACACAGCTTTCACCTCTGTGGCCATGTGGATACTATCCAATTTT
 TGGTTTCCAATGGACTCAAAATTGATATTTGCAATCATCAAGGTGCTACCCCTTTAGTTCTGGCAAAGCG
 CAGAGGAGTAAATAAAGATGTCATCCGATTGCTGGAATCTTTGGAAGAACAGGAGGTGAAAGGATTTAAC
 AGAGGAACCCACTCGAAACTGGAGACCATGCAAACAGCTGAGAGTGAAAGTGCCATGGAAGCCATTAC
 TCCTCAATCCCAACTGCAGCAAGGTGAAGGAGTCTCTCCAGCTTCCGAACCACGTGGCAGGAGTTTGT
 GGAGGATCTGGGCTTCTGGAGAGTATTGCTGTTGATCTTCGTATTGCTTTGCTGTCTCTTGGCATTGCT
 TATTATGTGAGTGGGTGCTACCCTTCGTGAAAACCAGCCTGAAGTGGTGCAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC209286 protein sequence
Red=Cloning site Green=Tags(s)

MSYVVFVNDSSQTNVPLLQACIDGDFNYSKRLLESFGDPNIRDSRGRGLHLAAARGNVDICQLLHKFGAD
 LLATDYQGNLALHLCGHVDTIQFLVSNGLKIDICNHQGATPLVLAKRRGVNKDVIIRLLESLEEVEKGFN
 RGTHSKLETMQTAESAMESHSLNPNLQQGEGVLSFFRTTWQEFVEDLGFWRVLLLIIFVIALLSLGLIA
 YVYSGVLPFVENQPELVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6707_b06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198401

ORF Size: 684 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_198401.4](#)

RefSeq Size: 2802 bp

RefSeq ORF: 687 bp

Locus ID: 157567

UniProt ID: [Q86W74](#)

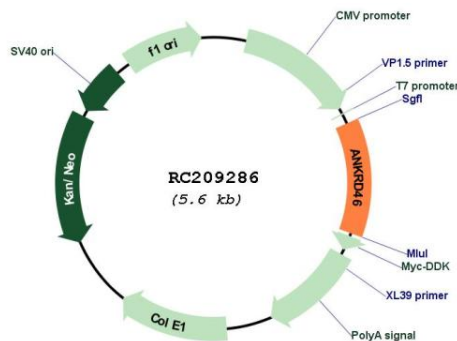
Cytogenetics: 8q22.3

Protein Families: Transmembrane

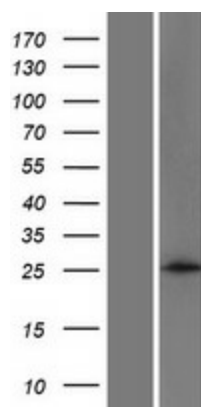
MW: 25.3 kDa

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 RC209286



Western blot validation of overexpression lysate (Cat# [LY405052]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209286 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).