

Product datasheet for **RC224448**

KIAA1486 (NYAP2) (NM_020864) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1486 (NYAP2) (NM_020864) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA1486
Synonyms:	KIAA1486
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC224448 representing NM_020864
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGATATCCTCCAAGATGATGAGTTCTAATCCTGAGGAAGACCCTTTGGACACATTTCTCCAGTACATTG
AGGATATGGGGATGAAGGCCTATGATGGCTTGGTTATTGAGAATGCGTCAGATATTGCTCGAGAGAAATGA
TCGCTTGAGAAATGAACTAACCTAGCCTATTTGAAAGAGAAGAATGAAAAACGCCGAAGACAAGAAGAA
GCAATAAAGCGCATAGGTGGAGAAGTAGGGCGAGGCCACGAAGGAAGTTACGTGGGCAAACATTTCCGCA
TGGGATTCATGACAATGCCTGCTCCTCAGGACAGACTTCCCCATCCTTGCTCCAGTGGCTTTTCTGTGAG
ATCACAGTCCCTGCACTCGGTTGGGGGCACAGACGATGACAGCAGCTGTGGCTCACGGAGACAACCACCA
CCCAAACCAAGAGGGACCCAGCACCAAGCTGAGCACCTCATCAGAGACAGTCAAGCAGCTGCAGCCA
GTAAGAGCGGGAAAACCCCTGAGAGGACTGAAGCGTCAGCTAAACCAAGACCCACAGCGATGAATATTC
CAAGAAGATTCTCCTCCAAACCGAAGCGAAATCCGAACACTCAGCTGAGCACATCTTTGATGAAACG
TACATCAAAAAGCATGGGCCCGGAGGACGCTCGCTGCCGCGGGACTCCTCCTTGCCAGATGGGCAGCC
CCGCGGGAGACCCGAGGAAGAGGAGCCCGTGTACATCGAGATGGTGGGGAACATTTCTCAGAGACTTCAG
GAAGGAGGACGATGACCAGAGCGAGGCCGCTACGAGGAAATGAAGTACCCTATCTTTGACGACTTGGGC
CAAGACGCCAAATGTGACTTCGACCATCACAGCTGTTCTTCGAGTGTGCTACTCCCACGGTGCCTGACT
TGGACTTCGCAAGGCCTCAGTGCCATGCCCCCAAGGGGTGCTTTGCGACATCCCTCCGCCCTTCCC
CAACCTGCTTTCTCACAGACCCCGTGTGGTATTTCCCCCGCCCCGTGCTTGGTCCCCAACTCC
GACGAGTCCCGCTTACCCCTCTGGAGGTCACGAAGCTTCCCGTGTGGAAAACGTGCTTACATGAAAC
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GGCCGCGGCCCTGGGACCTGCCTCTGCCACCCCTGCGCTCTCCTCGTCGCCCCACCCCGTCTACGCTG
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GGTCCCTGACTCCCTGAGCCTCAAAGGCCTCCCCCTTACGACGCTGTGCATTCGGGCAGCCTCTCAAG
GAGCTCTCCTCAGTGCCTCACTCGACCCCGAGCCCGTGTGCAAGATGGGGCCAAGATGGTCAACGCC
GCGGTGAACACCTACGGGGCAGCCCGGGTGGCTCCCGTCCCAGACCCACGAGCCCGCTGGAGGAGC
TGACCAGCCTCTCTCCTCCGGCCGAGCCTGCTGCGCAAGTCGTCAGTGGCCGGCGCTCAAAGAGCC
TGCAGAGAAATCAACAGAGGAAGTAAAAGTCCGAAGCCACAGCACGGAGCCATTACCAAAGTTGGACAAC
AAGGAAAGAGGCCACCATGGGGCTCTTCTCCAGAGAGCCTGTCAAAGCTCAGGAATGGGATGGAACAC
CAGGGACACCTGTGGTACCAGTCACTAGGAAGATGCTCTGTGAGCCCCACCTTGTAGCGGAAACCA
CAGTTACAGAGCCTAAAAGTAAAGCTGCAAATTAGGCCGGTCTGCGTCGACGTCAGGTGTGCCTCCTCCATCA
GTCACCTCCCTCAGGCAAGCAGTGACCTGCAACAGAGCCAGGTACCATCATCGTTAGCCAATCGTGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224448 representing NM_020864
Red=Cloning site Green=Tags(s)

MISSKMMSSNPEEDPLDTFLQYIEDMGMKAYDGLVIQNASDIARENDRLRNETNLAYLKEKNEKRRRQEE
 AIKRIGGEVGRGHEGSYVGKHFMRGMFTMPAPQDRLPHPCSSGF SVRSQSLHSVGTTDDSSCGSRRQPP
 PKPKRDPSTKLSTSSETVSSTAASKSGKTPERTEASAKPRPHSDEYSKKIPPPKPKRNPNTQLSTSFDET
 YIKKHGPRRTSLPRDSSLQMGSPAGDPEEEEEPVYIEMVGNILRDFRKEDDDDQSEAVYEEMKYPIFDDLQ
 QDAKCDFDHSCSSQCATPTVPDLDFAKASVPCPPKGLLCDIPPPFPNLLSHRPPLLVFPPAPVHCSPNS
 DESPLTPLEVTKLPLVLENVSYMKQPAGASPSTLPSHVPGHAKLEKEQAAALGPASATPALSSPPPPSTL
 YRTQSPHGYPKSHSTSPSPVSMGRSLTPLSLKRPPPYDAVHSGSLSRSSPSVPHSTPRPVSQDGAKMVNA
 AVNTYGAAPGGSRTPTSPLEELTSLFSSGRSLLRKSSSGRSKEPAEKSTEELKVRSHSTEPLPKLDN
 KERGHGASSSREPVKAEWDGTPGTPVVT SRLGRCSVSTLLAGNHSSEPKVSKLGRSASTSGVPPPS
 VTPLRQSSDLQSQVPSSLANRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8043_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020864

ORF Size: 1959 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_020864.1](#), [NP_065915.1](#)

RefSeq Size: 4590 bp

RefSeq ORF: 1962 bp

Locus ID: 57624

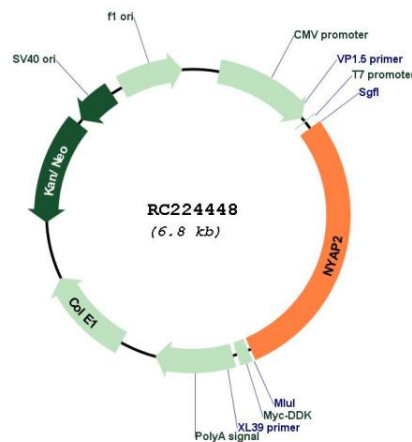
UniProt ID: [Q9P242](#)

Cytogenetics: 2q36.3

MW: 70.4 kDa

Gene Summary: Activates PI3K and concomitantly recruits the WAVE1 complex to the close vicinity of PI3K and regulates neuronal morphogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224448