

Product datasheet for **KN424448**

KIAA1486 (NYAP2) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 linear donor
Donor DNA:	EF1a-GFP-P2A-Puro
Symbol:	KIAA1486
Locus ID:	57624



Components:

KN424448G1, KIAA1486 gRNA vector 1 in pCas-Guide CRISPR vector (GEI00002)

KN424448G2, KIAA1486 gRNA vector 2 in pCas-Guide CRISPR vector (GEI00002)

KN424448D, Linear donor DNA containing LoxP-EF1a-tGFP-P2A-Puro-LoxP:

The sequence below is cassette sequence only. The linear donor DNA also contains proprietary target sequence.

LoxP-EF1A-tGFP-P2A-Puro-LoxP (2739 bp)

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ATAACTTCGT ATAATGTATG CTATACGAAG TTATCGTGAG GCTCCGGTGC CCGTCAGTGG GCAGAGCGCA CATCGCCCAC
AGTCCCCGAG AAGTTGGGGG GAGGGGTCGG CAATTGAACC GGTGCCTAGA GAAGGTGGCG CGGGGTA AAC TGGGAAAGTG
ATGTCGTGTA CTGGCTCCGC CTTTTTCCCG AGGGTGGGGG AGAACCGTAT ATAAGTCGAG TAGTCGCCGT GAACGTTCTT
TTTCGCAACG GGTTCGCGC CAGAACACAG GTAAGTGCCG TGTGTGGTTC CCGCGGGCCT GGCCTCTTTA CGGGTTATGG
CCCTTGCGTG CCTTGAATTA CTTCCACCTG GCTGCAGTAC GTGATTCTTG ATCCCGAGCT TCGGGTTGGA AGTGGGTGGG
AGAGTTCGAG GCCTTGCGCT TAAGGAGCCC CTTGCGCTCG TGCTTGAGTT GAGGCTGGC CTGGGCGCTG GGGCCGCCG
GTGCGAATCT GGTGGCACCT TCGCGCTGT CTCGCTGCTT TCGTAAGTC TCTAGCCATT TAAATTTTTT GATGACCTGC
TGCGACGCTT TTTTCTGGC AAGATAGTCT TGAAATGCG GGCCAAGATC TGCACACTGG TATTTCCGTT TTTGGGGCCG
CGGGCGGCGA CGGGGCCCGT GCGTCCCAGC GCACATGTTC GGCGAGGCGG GGCTGCGAG CGCGGCCACC GAGAATCGGA
CGGGGTAGT CTCAAGCTGG CCGCCTGCT CTGGTGCCTG GCCTCGCGCC GCCGTGTATC GCCCCGCCCT GGGCGCAAG
GCTGGCCCGG TCGCACAGG TTGCGTGAGC GAAAGATGG CCGCTTCCCG GCCCTGCTGC AGGGAGCTCA AAATGGAGGA
CGCGCGCTC GGGAGAGCGG GCGGGTGAAG CACCCACACA AAGGAAAAGG GCCTTCCGT CCTCAGCCGT CGCTTCATGT
GACTCCACGG AGTACCGGGC GCCGTCCAGG CACCTCGATT AGTTCGCG CTTTTGGAGT ACCTCGTCTT TAGGTTGGGG
GGAGGGGTTT TATGCGATGG AGTTTCCCA CACTGAGTGG GTGGAGACTG AAGTTAGGCC AGCTTGGCAC TTGATGTAAT
TCTCCTTGA ATTTCCCTT TTTGAGTTG GATCTTGGT CATTCTAAG CTCAGACAG TGGTCAAAG TTTTTTCTT
CCATTTACAG TGTCTGAAT GGAGAGCGAC GAGAGCGGCG TGCCCGCCAT GGAGATCGAG TGCCGCATCA CCGGCCCTC
GAACGGCGTG GAGTTCGAGC TGGTGGGCGG CGGAGAGGGC ACCCCGAGC AGGGCCGCAT GACCAACAAG ATGAAGAGCA
CCAAAGGCGC CCTGACCTTC AGCCCTACC TGCTGAGCCA CGTGATGGG TACGGCTTCT ACCACTTCGG CACTACCCC
AGCGGCTACG AGAACCCCTT CCTGCACGCC ATCAACAAG GCGGCTACAC CAACACCCG ATCGAGAAGT ACGAGGACGG
CGGCGTGCTG CACGTGAGCT TCAGTACCG CTACGAGGCC GGCCCGTGA TCGGCGACT CAAGGTGATG GGCACCCGCT
TCCCGGAGGA CAGCGTGATC TTCACCGACA AGATCATCCG CAGCAACGCC ACCGTGGAGC ACCTGCACCC CATGGGCGAT
AACGATCTGG ATGGCAGCTT CACCCGCACC TTCAGCCTGC GCGACGGCGG CTAACACG TCCGTGGTGG ACAGCCACAT
GCACTTCAAG AGCGCCATCC ACCCCAGCAT CCTGCAGAAC GGGGGCCCA TGTTCCGCTT CCGCCGCTG GAGGAGGATC
ACAGCAACAC CGAGCTGGG ATCGTGGAGT ACCAGCACGC CTTCAAGACC CCGGATGAG ATGCCGGTGA AGAAAGAGGA
AGCGGAGCTA CTAACCTCAG CCTGCTGAAG CAGGCTGGAG ACGTGGAGGA GAACCTGGA CCTATGACCG AGTACAAGCC
CACGGTGGC CTCGCCACC GCGACGAGT CCCCAGGGC GTACGCACC TCGCCGCGC GTTCGCGAC TACCCGCCA
CGGCCACAC CGTCGATCC GACGCCACA TCGAGCGGT CACCGAGCTG CAAGAACTCT TCCTCACCG CGTCGGGCTC
GACATCGCA AGGTGTGGT CGCGGACGAC GCGCCGCGG TGGCGTCTG GACCACCGG GAGAGCGTCG AAGCGGGGGC
GGTGTTCGCC GAGATCGGCC CGCGCATGGC CGAGTTGAGC GGTTCGCGG TGCCCGCGCA GCAACAGATG GAAGGCCTCC
TGGCGCCGA CCGGCCAAG GAGCCCGCT GGTTCCTGCG CACCGTGGC GTCTCGCCG ACCACAGGG CAAGGGTCTG
GGCAGCGCG TCGTCTCCC CGGAGTGGAG GCGGCGGAG GCGCCGGGT GCCCGCTTCT CTGGAGACCT CCGCGCCCG
CAACCTCCC TTCTACGAGC GGCTCGGCTT CACCGTACC GCCGACGTC AGGTGCCGA AGGACCCGCG ACCTGGTGA
TGACCCGCAA GCCCGGTGCC TGAAACTTGT TTATTGCAGC TTATAATGTT TACAAATAAA GCAATAGCAT CACAAATTC
ACAAATAAAG CATTTTTTTC ACTGCATTCT AGTTGTGGTT TGTCCAACT CATCAATGTA TCTTAATAAC TTCGTATAAT
GATGCTATA CGAAGTTAT
    
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OTI Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

RefSeq: [NM_020864](#)

UniProt ID: [Q9P242](#)

Synonyms: KIAA1486

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:

