

Product datasheet for RC212001

KIAA1045 (PHF24) (NM_015297) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1045 (PHF24) (NM_015297) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA1045
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212001 representing NM_015297 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGGTGTTGATGTCCAAGCGGCAGACAGTGGAGCAGGTGCAGAAGGTGAGTCTGGCTGTGTCTGCTT
 TCAAGGATGGGCTGCGGGACAGGCCTTCCATCCGACGCACAGGTGAGCTGCCAGGGTCCCGCGTGGCAC
 TGTAGAGGGTCCGTCCAGGAGGTACAGGAGGAGAAGGAAGCAGAAGCAGGAACCTCGGTGGTCCAGGAA
 GAGAGTAGTGCCGGCCGCGCAGCCTGGGAGCGGCTCCGAGATGGGCGCGCGTGGAGCCTGAGGAGTTTG
 ACAGGACAAGTCGATTACACCCCTGCGTTTCATCCGCCACCCGGAAGCTGGATGACAAACCTCC
 AGAAATCTGCCTGGAGCCAGAGAGCCTGTTGTCAACGATGAGATGTGTGATGTTTGTGAGGTCTGGACA
 GCTGAGAGCCTCTTCCCGTGCAGGCTGTCACCAAGGTTTTCCATGATGGCTGCCTGCGCCGATGGGCT
 ACATCCAAGGAGACAGTGCAGCGGAGGTGACGAGATGGCCACACAGAAACAGGCTGGAGCTGCCACTA
 CTGTGACAACATCAACTTGCTGCTTACTGAGGAGGAAATGTATAGCCTCACGGAGACCTTTCAGCGGTGT
 AAAGTCATCCCTGATTGCTCCCTGACACTGGAGGACTTCTGCGTTACCGCCACCAAGCAGCCAAGCGGG
 GGGACCGTGACAGGGCCCTGAGTGAGGAGCAAGAAGAGCAGGCGGCCCGCCAGTTTGTGCCCTGGACCC
 TGAACATCGAGGCCACATAGAGTGGCCTGACTTCTGTCCATGAGTCCCTCCTGCTTCTGCAGCAGTTG
 CGTCCCCAGAATCTCTGTTGAGGCTTCTGACAGTGAAGGAGCGGAGCGAGCCGAGCCGCTTCTCTGG
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 GTTCCCAGAGGCTCCTTCTGCACTGTCAGCATCAGCCATGTGGGTCCCATCGCAGATAGCAGCCAGCC
 AGCAGCAGCAGCAAGAGTCAGGACAAGACCCTGCTGCCACAGAGCAGGAGTCCAGATTTGTGGACTGGC
 CTACCTTCTGCAAGAGAATGTCTCTACATCTGGCTGCTCGCCCCAACAGCGCAGCCATTACCTGAA
 GCCCCAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC212001 representing NM_015297
 Red=Cloning site Green=Tags(s)

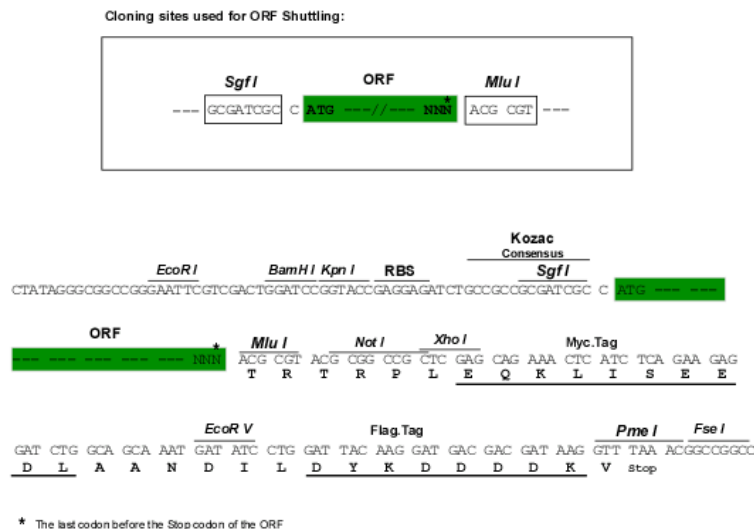
MGVLMKRQTVEQVQKVS LAVSAFKDGLRDRPSIRRTGELPGSRRGTVEGSVQEVQEEKEAEAGTSVVQE
 ESSAGRAAWERLRDGRGVEPEEFDRTSRFTPPAFIRPTRKLD DDKPPEICLEPREPVVNDEMCDVCEVWT
 AESLFPCRVC TRVFHDGCLRRMGYIQGDSAAEVTEMAHTETGWSCHYCDNINLLL TEEEMYSLTETFQRC
 KVIPDCSLTLEDFLRYRHQA AKRGDRDRALSEEQEEQAARQFAALDPEHRGHIEWPDFLSHESLLLLQQL
 RPQNSLLRLLTVKERERARA AFLARGSGTVSEAECCRRAQHSWFKRFPEAPSCSVSISHVGPIADSSPA
 SSSSKSQDKTLLPTEQESRFVDWPTFLQENVLYILAARNPSAAIHLKPPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8026_e02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015297

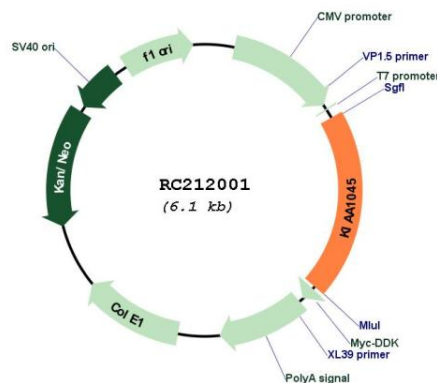
ORF Size: 1200 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

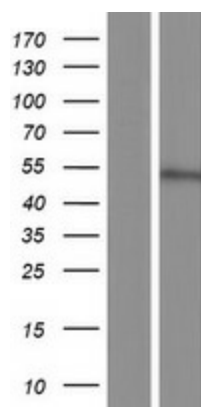
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_015297.3
RefSeq Size:	5950 bp
RefSeq ORF:	1203 bp
Locus ID:	23349
UniProt ID:	Q9UPV7
Cytogenetics:	9p13.3
MW:	45 kDa

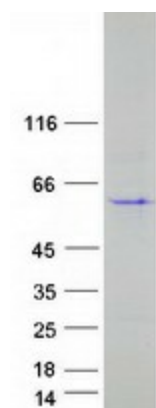
Product images:



Circular map for RC212001



Western blot validation of overexpression lysate (Cat# [LY414635]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212001 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PHF24 protein (Cat# [TP312001]). The protein was produced from HEK293T cells transfected with PHF24 cDNA clone (Cat# RC212001) using MegaTran 2.0 (Cat# [TT210002]).