

Product datasheet for RC224416

KIAA1881 (PLIN4) (NM_001080400) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1881 (PLIN4) (NM_001080400) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA1881
Synonyms:	KIAA1881; S3-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224416 representing NM_001080400 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGCAGACCCCTGGGCAGCTTCTTTGGGTCCCTGCCTGGCTTCAGCTCTGCCCAGAACCTGGTGGCCAACG
 CACATAGCTCGGCGAGAGCCCGGCCGCTGACCCACAGGAGCGCTGCTGCCGAGGCTGCCAACCC
 ACAGGCTCAGGTGGTGGCCACCCAGAGCAGACGGCCCATGGACGGAGAAGGAGCTGCAACCTTCGGAA
 AAGCAGATGGTGTCCGGGGCCAAAGACCTGGTGTGTTCCAAGATGTCCAGGGCCAAAGGATGCCGTGCTCT
 CCGGGGTGGCCAGCGTGGTGGACGTGGCTAAGGGAGTGGTCCAGGGAGGCTGGACACCACTCGGTCTGC
 ACTTACGGGCACCAAGGAGGTGGTGTCCAGCGGGGTACAGGGGCCATGGACATGGCTAAGGGGGCCGTC
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GGGCTCACAGGGGCTGTGAACGTGGCCAAAGGGACCGTCCAGACCGGCGTAGACACCACCAAGACTGTCC
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC224416 representing NM_001080400
 Red=Cloning site Green=Tags(s)

MQTLGSFFGSLPGFSSARNLVANAHSSARARPAADPTGAPAAEAAPQAQVAHPEQTAPWTEKELQPSE
 KQMVSAGKDLVCSKMSRAKDAVSSGVASVVDVAKGVVQGGDDTTRSALTGTKEVVSSGVTGAMDMAKAV
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 AANVAKGAVQTVDTAKTVLTGTDKTVTTGLVGAVNVAKGTVQTMDDTKTVLTGTDKTIYSGVTSAVNV
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 QNIATGKNTLGSVGTGAANVAKGAVQGGDDTTSVLTGTDKAVSTGLTGAVNLAKGTVQTVDTSTKTVLT
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 DTVFSGVTGAMMAKAVQGGDDTTKTVLTGTDKAVSAGLMGSGNVATGATHTGLSTFQNWLPSTPATSW
 GGLTSSRTTDNGGEQTALSPQEAPFSGISTPPDVL SVGPEPAWEAAATTKGLATDVATFTQGAAPGREDT
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 GLLRQLHTAYSGLVSSLQGLPAELQQPVGRARHSLCEL YGIVASAGSVEELPAERLVQSREGVHQAWQGL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

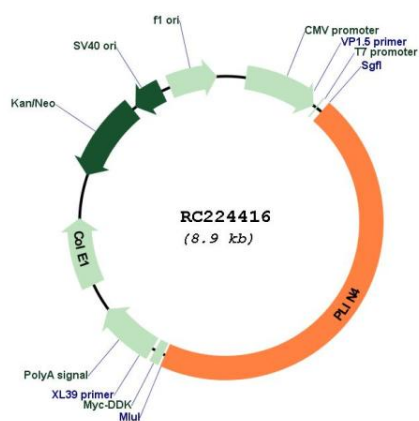


ACCN: NM_001080400

ORF Size: 4071 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_001080400.1 , NP_001073869.1
RefSeq Size:	6353 bp
RefSeq ORF:	4074 bp
Locus ID:	729359
UniProt ID:	Q96Q06
Cytogenetics:	19p13.3
MW:	134.3 kDa
Gene Summary:	Members of the perilipin family, such as PLIN4, coat intracellular lipid storage droplets (Wolins et al., 2003 [PubMed 12840023]).[supplied by OMIM, Feb 2010]

Product images:



Circular map for RC224416