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Product datasheet for MR219601

Kif3b (NM_008444) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif3b (NM_008444) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif3b
Synonyms:	AI854312; AW549267; mKIAA0359
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR219601 representing NM_008444
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCAAGTTAAAAAGCTCAGAATCAGTCCGGGTGGTGGTCCGCTGTCGGCCCATGAATGGCAAAGAAA
AGGCTGCATCTTATGACAAGGTGGTAGATGTGGATGTGAAGCTGGGGCAGGTGTCTGTGAAGAACCCCAA
AGGCACATCCCATGAGATGCCCAAGACCTTCACCTTCGACGCTGTGTATGATTGGAACGCCAAGCAGTTT
GAGCTCTATGATGAGACGTTCCGACCACTCGTGGACTCTGTGCTGCAGGGTTTCAATGGCACAATTTTTG
CCTATGGACAAACAGGAACTGGGAAAACCTATACCATGGAGGGAGTTCGTGGTGACCCTGAAAAAAGAGG
GGTCATCCCCAACTCCTTTGATCACATCTTCACCCACATCTCTCGATCTCAGAATCAGCAGTACCTGGTC
CGGGCGTCTTACTTAGAGATCTATCAAGAAGAGATTCGAGACTTGCTTTCAAAGGATCAGACCAAAAGGC
TAGAGCTCAAAGAGAGACCAGATACAGGAGTGTATGTAAAGGATTTGTCTTCTTTTGTCACGAAGAGTGT
GAAGGAGATAGAGCATGTGATGAATGTGGGAAACCAGAACCGGTCTGTCGGTGCTACAAACATGAATGAG
CACAGCTCACGGTCGCATGCAATCTTTGTTATCACTATTGAATGCAGCGAGGTGGGCCTGGATGGTGAAA
ACCACATCCGGGTAGGAAAGCTGAATCTTGTAGATCTTGCTGGCAGTGAGCGGCAAGCCAAGACTGGAGC
TCAAGGGGAAAGACTGAAGGAAGCCACCAAGATCAACCTGTCCCTTTCCGCCTTGGGTAATGTTATCTCT
GCCCTTGTAGATGGCAAAAGCACCCATATTCCATATAGAGACTCAAAGCTGACCAGGCTTCTCCAAGATT
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TTGGCAGGAGGAAGAGGCGAGAGAAGCGGAGGGAAGGTGGTGGCAGTGGTGGGGGTGGGGAAGAGGAGGA
GGAGGAGGGAGAAGAGGGTGAGGAGGACGGGGATGATAAGGATGATTACTGGCGGGAACAGCAAGAAAAA
CTGGAGATTGAGAAGCGGGCCATTGTAGAGGACCACAGCTTGGTTGCAGAGGAGAAGATGAGGCTGCTGA
AGGAGAAGGAGAAAAAGATGGAGGACCTGCGGCGAGAGAAGGATGCTGCAGAGATGCTGGGTGCCAAAAT
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GGTACAGGGCGGAGAACATCATGCTCTTGGAGTTAGATATGCCCAGCCGGACAACCAGAGACTACGAGGG
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GATGCCTCATCCTTTGAAAGTACTGCCAGCAGAAAACCCAAGGCCAGGCCCAAGAGTGGCAGGAAATCAG
GATCCTCCTCTTCCTCCTCAGGAAACCCTGCATCTCAGTTTTACCCACAGTCTCGGGGGCTGGTTCCCAA
G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219601 representing NM_008444
Red=Cloning site Green=Tags(s)

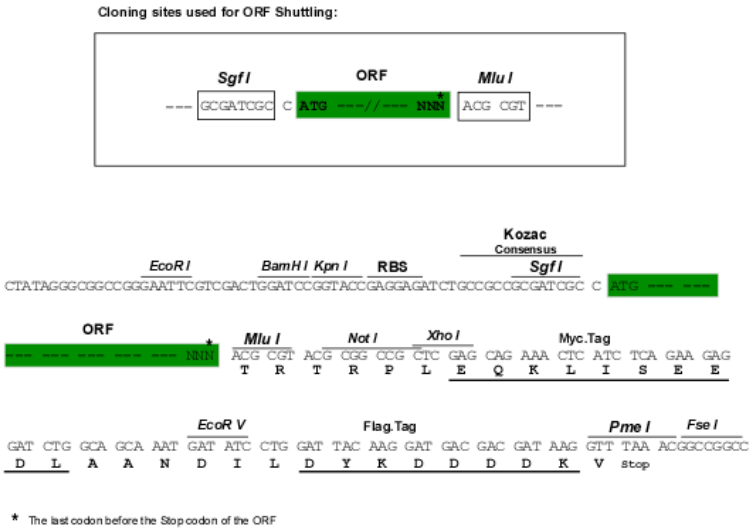
MSKLKSSESVRVVVRCRPMNGKEKAASYDKVVDVDVKLGQVSVKNPKGTSHEMPKTFTFDAVYDWNAKQF
ELYDETFRPLVDSVLQGFNGTIFAYGQTGTGKTYTMEGVRGDPEKRGVIPNSFDHIFTHISRSQNQQYLV
RASYLEIYQEEIRDLLSKDQTKRLELKERPDTGVYVKDLSSFVTKSVKEIEHVMNVGNQNRSVGATNMNE
HSSRSHAIFVITIECSEVGLDGENHIRVGKLNLVDLAGSERQAKTGAQGERLKEATKINLSLSALGNVIS
ALVDGKSTHIPYRDSKLTRLLQDSLGGNAKTVMVANVGPASYNVEETLTTLRYANRAKNIKNKPRVNEDP
KDALLREFQEEIARLKAQLEKRSIGRRKRREKRREGGGSGGGGEEEEEEGEEGEEDGDDKDDYWREQQEK
LEIEKRAIVEDHSLVAEEKMRLLKEKEKKMEDLRREKDAAEMLGAKIKAMESKLLVGGKNIVDHTNEQQK
ILEQKRQEIAEQKRREREIQQQMESRDEETLELKETYTSLQQEVDIKTKKLKKLFSKLQAVKAEIHDLQE
EHIKERQELEQTQNELTRELKLKHLIIENFIPLEEKNKIMNRSFFDDEEDHWKLHPITRLENQQMMKRPV
SAVGYKRPLSQHARMSMMIRPEPRYRAENIMLLELDMPSRTTRDYEGPAISPKVQAALDAALQDEDEIQV
DASSFESTASRKPKARPKSGRKSGSSSSSSGNPASQFYPQSRGLVPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9094_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008444

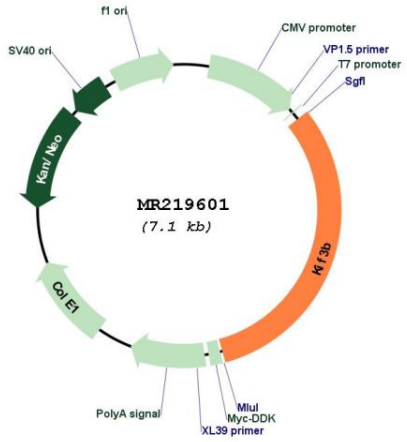
ORF Size: 2241 bp

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_008444.4, NP_032470.3
RefSeq Size:	5647 bp
RefSeq ORF:	2244 bp
Locus ID:	16569
UniProt ID:	Q61771
Cytogenetics:	2 75.41 cM
MW:	85.3 kDa
Gene Summary:	Involved in tethering the chromosomes to the spindle pole and in chromosome movement. Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219601