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Product datasheet for RC226301

KIF17 (NM_001122819) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF17 (NM_001122819) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIF17
Synonyms:	KIF3X; KIF17B; KLP-2; OSM-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226301 representing NM_001122819 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTCCGAGGCGGTGAAGGTTGTCGTGCGCTGCCGTCCCATGAACCAGCGGGAGCGAGAGCTGCGCT GCCAGCCCGTGGTGACTGTGGACTGCGCGCGCGCCCAGTGCTGCATCCAGAACCCGGGCGCCGCCGACGA GCCGCCCAAGCAGTTCACCTTCGACGGCGCCTACCACGTGGACCACGTCACCGAGCAGATCTACAACGAG ATCGCCTATCCGCTGGTGGAGGGCGTCACTGAGGGCTACAATGGCACCATCTTTGCCTACGGCCAGACAG GCAGCGGGAAGTCCTTCACCATGCAGGGCCTGCCGGATCCGCCCTCCCAGAGAGGCATCATCCCCAGGGC CTTCGAGCACGTGTTCGAGAGCGTCCAGTGTGCAGAGAACACTAAGTTCCTGGTCCGGGCCTCCTACCTG GAGATCTACAATGAAGATGTCCGGGACCTCCTTGGGGCTGACACCAAGCAGAAGCTGGAGCTGAAGGAGC ACCCAGAGAAGGGCGTGTACGTGAAGGGGCTGTCCATGCACACGGTGCACAGCGTGGCCCAGTGTGAGCA CATCATGGAGACTGGCTGGAAGAACCGTTCGGTCGGCTACACGCTGATGAACAAGGATTCCTCACGCTCG CACTCCATCTTCACCATCAGCATCGAGATGTCTGCCGTGGATGAGCGGGGCAAGGACCACCTCCGGGCGG GCAAGCTGAACCTGGTGGACCTGGCGGGCAGCGAGCGGCAGTCCAAGACCGGGGCCACGGGCGAGCGGCT CAAGGAGGCCACCAAGATCAACCTGTCGCTCTCGGCACTGGGCAATGTCATCTCGGCGCTGGTGGACGGG CGCTGTAAGCACGTCCCCTACCGTGACTCGAAGCTGACGCGGCTGCTGCAGGACTCACTGGGCGGCAACA CCAAGACGCTCATGGTGGCCTGCCTGTCGCCTGCGGACAACAACTACGATGAGACACTCAGCACGCTGCG CTACGCCAACCGGGCCAAGAACATCAGGAACAAGCCGCGCATCAATGAGGACCCCAAGGATGCGCTGCTT CGCGAGTACCAGGAGGAGATCAAGAAGCTCAAGGCCATCCTGACACAGCAGATGAGCCCCAGCAGCCTGT CAGCCCTGCTGTCCAGGCAGGTGCCCCCAGACCCTGTGCAGGTGGAGGAGAAGCTGTTGCCCCAACCTGT GATCCAGCATGACATGGAGGCCGAGAAGCAGCTGATCCGGGAGGAGTATGAAGAGCGCCTGGCCCGGCTG AAAGCCGACTATAAGGCCGAGCAGGAGTCTCGGGCCAGGCTGGAGGAAGACATCACTGCCATGCGCAACT CATATGACGTCAGGCTGTCCACGCTGGAGGAGAACCTGCGGAAGGAGACAGAGGCTGTCCTGCAGGTGGG AGTCCTCTACAAGGCTGAGGTCATGTCCAGGGCTGAGTTTGCCAGCAGCGCTGAGTACCCGCCTGCTTTT CAGTATGAGACAGTGGTGAAACCCAAGGTCTTCTCCACGACTGACACTCTGCCCAGTGACGATGTCTCCA

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AGACTCAGGTTTCCTCCAGGTTTGCGGAGCTGCCCAAGGTGGAACCCTCCAAATCTGAGATTTCTCTGGG
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Protein Sequence:

>RC226301 representing NM_001122819
Red=Cloning site Green=Tags(s)

MASEAVKVVVRCRPMNQRERELRCQPVVTVDCARAQCCIQNPGAADEPPKQFTFDGAYHVDHVTEQIYNE
IAYPLVEGVTEGYNGTIFAYGQTGSGKSFTMQGLPDPPSQRGIIPRAFEHVFESVQCAENTKFLVRASYL
EIYNEDVRDLLGADTKQKLELKEHPEKGVYVKGLSMHTVHSVAQCEHIMETGWKNRSVGYTLMNKDSSRS
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GPQNKPARKTSAADNGEPNMEEDRYRLMLSRSNSENIASNYFRSKRASQILSTDARKSLTHHNSPPGLSC
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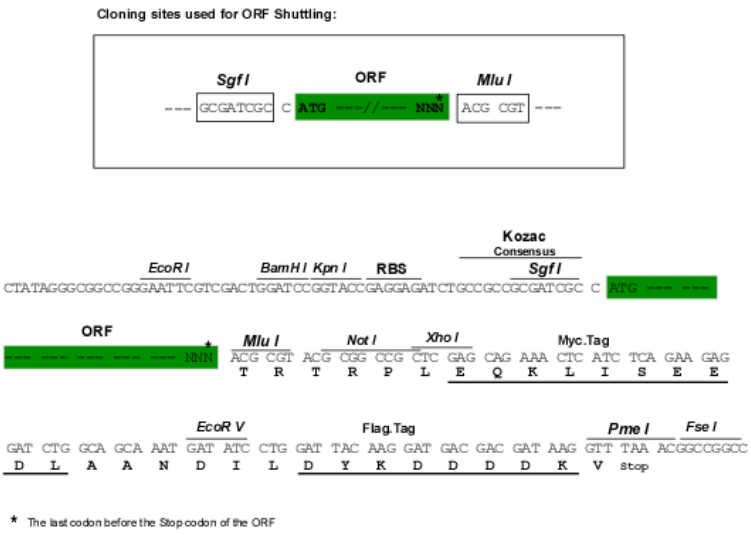
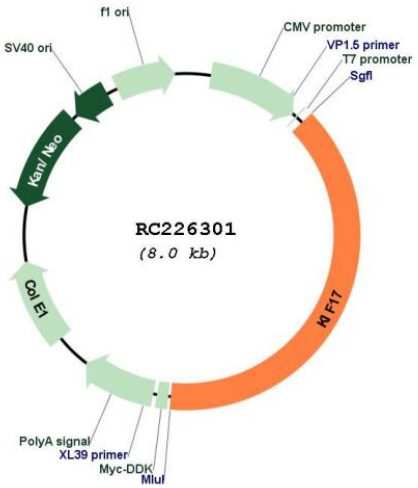
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001122819

ORF Size: 3084 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_001122819.3
RefSeq ORF:	3087 bp
Locus ID:	57576
UniProt ID:	Q9P2E2
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome
MW:	114.8 kDa
Gene Summary:	Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor 2B along microtubules. [UniProtKB/Swiss-Prot Function]