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Product datasheet for MC224694

Kif21a (NM_016705) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif21a (NM_016705) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif21a
Synonyms:	AI850764; mKIAA1708
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224694 representing NM_016705 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTGGGCGCTGCGGACGAGAGCTCGGTGCGCGTGGCTGTCAGAATAAGACCACAGCTTGCCAAAGAGA AGATCGAAGGTTGCCATATCTGCACGTCAGTCACACCGGGAGAGCCTCAGGTCTTCCTCGGGAAGGATAA GGCCTTTACTTTTGATTATGTGTTTGACATTGACTCCCAGCAGGAGCAGATCTACACCCAGTGCATCGAA AAGCTCATTGAAGGCTGTTTTGAAGGCTACAATGCCACCGTGTTTGCCTATGGACAAACCGGAGCTGGGA AAACCTACACGATGGGAACCGGATTTGACGTGAACATCATGGAGGAAGAGCAGGGCATCATCTCTCGTGC TGTTAGACACCTGTTCAAGAGTATTGATGAGAAAAAGACCTCAGCGATTAAAAACGGGCTGCCCCCTCCT GAATTCAAAGTGAATGCCCAGTTCCTAGAGCTCTATAATGAAGAGGTCCTTGACTTGTTTGATACCACTC GGGATATTGATGCAAAAAATAAAAAATCAAATATAAGAATTCATGAAGATTCAACTGGAGGAATTTATAC TGTGGGCGTCACAACACGCACTGTGAATACAGAACCGGAGATGATGCAGTGTCTGAAGCTGGGCGCTCTC TCGCGCACCACGGCCAGCACCCAGATGAACGTACAGAGCTCTCGTTCACACGCCATCTTTACCATTCACG TGTGTCAAACCAGAGTGTGTCCCCAAACAGATGCTGAGAACGCAACTGATAATAAGCTGATCTCCGAATC GTCGCCAATGAATGAGTTTGAGACGCTGACGGCGAAGTTTCACTTTGTTGATCTGGCGGGATCGGAAAGA CTGAAGAGAACCGGAGCTACAGGCGAGAGAGCAAAAGAGGGCATTTCCATCAACTGCGGGCTTTTGGCTC TTGGGAATGTAATCAGCGCCTTGGGGGACAAGAGCAAGAGAGCCACCCATGTCCCTTACAGAGACTCTAA GCTGACAAGACTCTTGCAGGATTCCCTTGGGGGTAACAGCCAAACCATCATGATAGCATGCGTCAGCCCT TCAGACAGGGATTTCATGGAGACGTTAAACACTCTGAAGTACGCCAATCGAGCGAGAAATATCAAGAACA AGGTGATGGTCAATCAAGACAGAGCCAGTCAGCAAATCAACGCGCTGCGGAGCGAGATCACGCGCCTTCA GATGGAGCTCATGGAATACAAAACCGGTAAAAGAATAATTGACGAGGAAGGCGTGGAAAGCATCAATGAC ATGTTTCATGAGAATGCTATGCTGCAGACGGAAAATAATAATCTGCGTGTAAGAATAAAAGCCATGCAGG AGACCGTTGATGCACTGAGGGCCAGAATCACGCAGCTTGTCAGTGAGCAGGCCAACCAAGTTCTTGCCCG AGCAGGTGAAGGGAACGAAGAGATCAGTAATATGATTCATAGTTATATCAAAGAAATTGAAGACCTCAGG GCAAAATTATTAGAAAGTGAAGCAGTGAACGAGAACCTTCGGAAGAACTTGACCAGAGCCACGGCGAGAT

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_016705

Insert Size:	4722 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_016705.4, NP_057914.2
RefSeq Size:	6146 bp
RefSeq ORF:	4722 bp
Locus ID:	16564
UniProt ID:	Q9QXL2
Cytogenetics:	15 45.86 cM
Gene Summary:	Microtubule-binding motor protein probably involved in neuronal axonal transport. In vitro, has a plus-end directed motor activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks four alternate exons in the central coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.