

Product datasheet for **MR210130**

Kif3a (NM_008443) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif3a (NM_008443) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif3a
Synonyms:	Kif3; Kifl; Kns3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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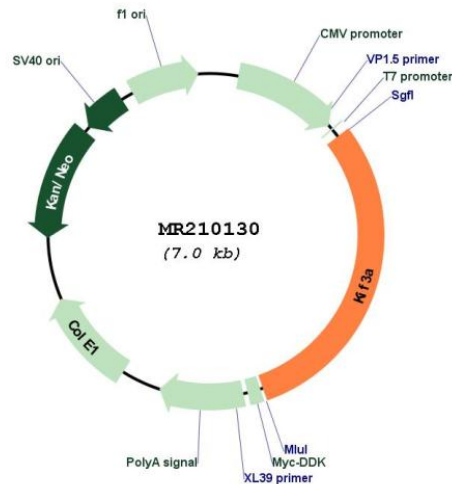
**ORF Nucleotide
Sequence:**

>MR210130 representing NM_008443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGATCAATAAGTCGGAGAAGCCGAAAGCTGCGATAATGTGAAGGTGGTGGTTAGGTGCCGCCTC
 TCAATGAGAGAGAGAAGTCAATGTGCTATAGACAGGCCGTCAGCGTGGATGAAATGAGGGGAACATCAC
 CGTCCATAAGACCGATTCTCCAACGAACCTCCAAGACATTTACTTTTCGATACTGTTTTGGACCAGAA
 AGTAAACAACCTTGATGTGTATACTTAACTGCAAGACCAATTATTGATTCTGTTCTGGAAGGCTACAATG
 GGACCATCTTTGCATATGGACAGACTGGGACAGGCAAGACTTTCACCATGGAAGGCGTTCGAGCAGTACC
 GGGGCTCAGAGGGGTATCCCAACTCATTGCTCACATATTTGGTCACATCGCAAAAGCAGAGGGCGAC
 ACAAGGTTTTGGTTCGAGTGTACTTGGAGATATATAATGAAGAAGTTCGAGACCTTTGGGTAAAG
 ATCAGACCCAGAGGTTAGAGGTTAAAGAAAGCCCTGATGTGGGAGTATATCAAAGACTTATCAGCATA
 TGTAGTCAACAACGCTGACGACATGGATAGAATCATGACTCTAGGCCACAAAACCGTTCTGTCGGTGCG
 ACTAATATGAACGAGCACAGCTCCCGATCCCACGCCATCTTACAATTACTATAGAGTGCAGTGAGAAAG
 GCGTGGACGGGAACATGCACGTCAGGATGGGCAAGCTCCACCTTGTGGATCTGGCTGGGTGAGAAAGACA
 AGCAAAAACCTGGAGCCACAGGACAGCGCCTCAAGGAAGCTACAAAATCAACCTTTCATTGTCTACCCCTG
 GGCAACGTTATTTCTGCCTTGGTGGATGGAAAAAGCACTCACGTGCCGTATCGGAACTCCAACTGACCC
 GTCTCCTCGAGGACTCCTTAGGAGGGAACCAAAAACCATGATGTGTGCAAAATTTGGGCCAGCAGATTA
 TAATTATGATGAAACTATCAGCACCTTGGCGTATGCCAACCGCCAAGAACATTAAGAAAGCGGAGA
 ATCAATGAGGACCCAAAGGATGCTCTGCTCCGCCAGTTTCAGAAAGAAATCGAAGAGCTGAAGAAAAAGC
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 AAGAAAGAAACAAGGCTAGAGCTGAACTAGAGAGACGGGAGAAGGACCTTCTGAAAGCCCAACAAGAGCA
 TCAGTCTTTGCTGGAAAAGCTGTCTGCTTTGAAAAGAAGGTCATTGTGCGCGCGTGGACCTGTGGCC
 AAGGCTGAGGAGCAAGAGAAGCTTCTGGAGGAGTCCAACATGGAGCTGGAGGAGAGGAGGAGACGAGCTG
 AGCAGCTTCGGAAGAGCTGGAGAAAAGGAGCAAGAACGCTTGGACATCGAGGAAAAATATACCAGTCT
 GCAAGAGGAGGCACAAGGAAAGACCAAGAAATTAAGAAAGTCTGGACCATGCTGATGGCTGCAAGTCA
 GAGATGGCTGATCTCCAGCAGGAGCATCAGAGGGAGATCGAAGGCCTCCTGGAGAACATCCGGCAGCTCA
 GCCGGGAGCTCCGTCTTCAGATGCTCATATTGATAAATTCATACCTCAGGATTACCAGGAAATGATTGA
 AAACACGTCCTGGAATGAAGACATAGGAGAATGGCAGCTAAAATGTGTGGCTACACAGGAAATAAC
 ATGAGGAAACAACTCCAGTCCCTGACAAGAAGGAGAGACCCATTTGAAGTCGACCTTTCCACAGTGT
 ACCTCGCTATACAGAGGAGAGTCTGCGTCAGTCTCTGATGAAGTTAGAAAGGCCACGGACCTCCAAGGG
 GAAAGCAAGGCCAAAGATGGGGCGAAGAAAGCGTTCTGCAAGCCTGAGACCGTAATTGATTCTTTACTT
 CAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_008443

ORF Size: 2103 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_008443.4](#), [NP_032469.2](#)

RefSeq Size: 5450 bp

RefSeq ORF: 2106 bp

Locus ID: 16568

UniProt ID: [P28741](#)

Cytogenetics: 11 31.97 cM

MW: 80.2 kDa

Gene Summary: Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation (PubMed:21670265). Plays a role in centriole cohesion and subdistal appendage organization and function. Regulates the formation of the subdistal appendage via recruitment of DCTN1 to the centriole. Also required for ciliary basal feet formation and microtubule anchoring to mother centriole (PubMed:23386061).[UniProtKB/Swiss-Prot Function]