

Product datasheet for MC205305

Kif5c (NM_008449) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif5c (NM_008449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif5c
Synonyms:	Khc; KINN; NKHC; NKHC2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC067051

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>BC067051
CGGTGGTGCTGATGCAGGATGGCTGAGCGCGACCGAGCCCGGGAGGTCTGAGCCGGGCGGGGATTGCTCC
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GGCGGATCCAGCCGAATGCAGCATCAAAGTGATGTGCCGTTCCGGCCCCCAACGAAGCGGAGATCCTC
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CAAAGATGCTCCTTGAGGGTTATAATGGAACAATTTTTGCATATGGGCAGACTTCATCAGAAAAACTCAT
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Restriction Sites:

AscI-NotI

ACCN:

NM_008449

Insert Size:

2871 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC067051](#), [AAH67051](#)

RefSeq Size: 6867 bp

RefSeq ORF: 2871 bp

Locus ID: 16574

UniProt ID: [P28738](#)

Cytogenetics: 2 28.68 cM

Gene Summary: Involved in synaptic transmission (By similarity). Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport. Mediates dendritic trafficking of mRNAs (PubMed:19608740). Required for anterograde axonal transportation of MAPK8IP3/JIP3 which is essential for MAPK8IP3/JIP3 function in axon elongation (By similarity).[UniProtKB/Swiss-Prot Function]