

Product datasheet for RC233232

KIF13A (NM_001243423) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KIF13A (NM_001243423) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: KIF13A
Synonyms: bA500C11.2; RBKIN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233232 representing NM_001243423
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCGATACCAAGGTAAAAGTTGCCGTCCGGGTCCGGCCCATGAACCGACGAGAACTGGAACCTGAACA
 CCAAGTGCCTGGTGGAGATGGAAGGGAATCAAACGGTCTGCACCCTCTCCTTCTAACACCAACAGGG
 AGAAAGGCTGGTCACAGTGGCTCACATCTCTAATTCCAGCACTTTGGGAGGCCAAGGCAAGAGGATCACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233232 representing NM_001243423
 Red=Cloning site Green=Tags(s)

MSDTKVKVAVRVRPMNRRELELNTKCVEMEGNQTVLHPPPSNTKQGERLVTVAHISNSSTLGGQKTRIT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001243423

ORF Size: 210 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001243423.2](#)

RefSeq Size: 1340 bp

RefSeq ORF: 213 bp

Locus ID: 63971

UniProt ID: [Q9H1H9](#)

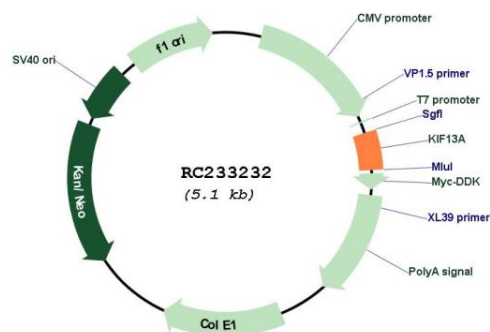
Cytogenetics: 6p22.3

Protein Families: Druggable Genome

MW: 8.2 kDa

Gene Summary: This gene encodes a member of the kinesin family of microtubule-based motor proteins that function in the positioning of endosomes. This family member can direct mannose-6-phosphate receptor-containing vesicles from the trans-Golgi network to the plasma membrane, and it is necessary for the steady-state distribution of late endosomes/lysosomes. It is also required for the translocation of FYVE-CENT and TTC19 from the centrosome to the midbody during cytokinesis, and it plays a role in melanosome maturation. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC233232