

Product datasheet for MR224722

Kif26b (NM_001161665) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kif26b (NM_001161665) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kif26b
Synonyms: 4832420M10; BC056349; D230039L06Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224722 representing NM_001161665
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATTCGGTAGCCGGAATAAAGAGAGGCTTGCCTGCCAGGGGCAAGAAATACGGGTGAACG
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GGTCAAAATGCCTTCCAGAAAAGAAGCAGCCAGGTTCCCTCCGAAGATGTTTGCCTTCGATGCTGTTTTCC
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ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR224722 representing NM_001161665
 Red=Cloning site Green=Tags(s)

MNSVAGNKERLAVSTRGKKYGVNEMCSPTKPSAPCSPESWYRKAYEESRAGSRPTPEGAGSALGSSSGTSP
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 RIAEVRAKYEWLMKELEATKQYMLDPNKWLRREFDLEQVLQLDSLEYLEALEGVTERLESRVNFCNAHLM
 MITCFDITSRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9107_c11.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001161665

ORF Size: 6336 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_001161665.1](#), [NP_001155137.1](#)

RefSeq Size: 7422 bp

RefSeq ORF: 6339 bp

Locus ID: 269152

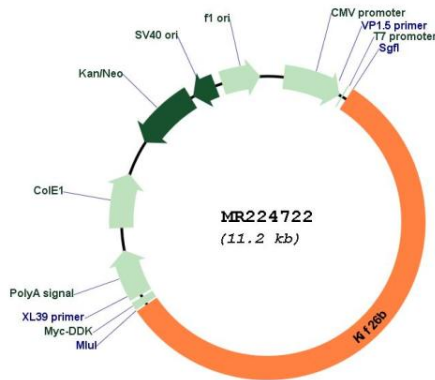
UniProt ID: [Q7TNC6](#)

Cytogenetics: 1 83.16 cM

MW: 225.5 kDa

Gene Summary: Essential for embryonic kidney development. Plays an important role in the compact adhesion between mesenchymal cells adjacent to the ureteric buds, possibly by interacting with MYH10. This could lead to the establishment of the basolateral integrity of the mesenchyme and the polarized expression of ITGA8, which maintains the GDNF expression required for further ureteric bud attraction. Although it seems to lack ATPase activity it is constitutively associated with microtubules.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224722