

Product datasheet for MR201775

Myo3b (BC034907) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myo3b (BC034907) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Myo3b
Synonyms: A430065P19Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201775 representing BC034907
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAGGAGATTGAGGCTGAATACAACATTCTGCAGTTTCTCCCAGCCATCCCAACGTTGTAAGT
TTTATGGGATGTTTTACAAAGCCGATCGCTGTGTGGGAGGACAGCTATGGCTGGTCTGGAGCTGTGTA
TGGGGCTCTGCACTGAGCTTGTCAAGGGCTTCTGAGGTGCGCAAGAGGCTGGACGAAGCTGTGATT
TCCTACATTCTGTATGGAGCCCTCTGGCCCTCAGCATTGCACTGCCACCGAATCATCCACCGAGATG
TGAAGGGGAATAACATTCTTCTGACGACAGAAGGAGGAGTTAAGCTCGTTGACTTTGGTGTCTCTGCTCA
ACTTACAAGCACACGGCTGCGGAGAAACACATCAGTTGGGACCCATTCTGGATGGCTCCTGAGGTCA
GCTTGGCAGCAGCAGTATGACTCGCTCTATGACGCTCGTTGTGACGTCTGGTCTTGGGCATCACAGCCA
TTGAGCTGGGAGATGGAGACCCTCCCCTCTTTGAAATGCATCCTGTGAAAATGCTCTTTAAGATACCAAG
CATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201775 representing BC034907
Red=Cloning site Green=Tags(s)

MDEEIEAEYNILQFLPSHPNVVKFYGMFYKADRCVGGQLWL VLELCNGGSVTELVKLLRCGKRLDEAVI
SYILYGALLGLQLHCHRIIHRDVKGNNILL TTEGGVKLVDFGVSAQLTSTRLLRNTSVGTPFWMAPEVI
ACEQQYDSSYDARCDVWSLGITAIELGDGPPLFEMHPVKMLFKIPSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

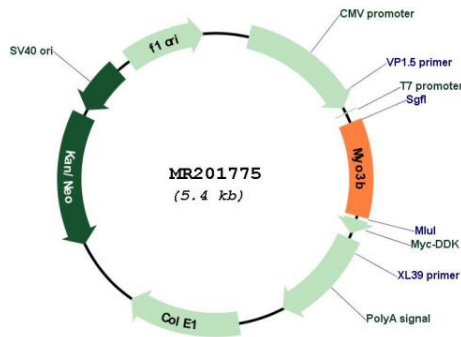


[View online »](#)

MW: 49.9 kDa

Gene Summary: Probable actin-based motor with a protein kinase activity (By similarity). Required for normal cochlear hair bundle development and hearing. Plays an important role in the early steps of cochlear hair bundle morphogenesis. Influences the number and lengths of stereocilia to be produced and limits the growth of microvilli within the forming auditory hair bundles thereby contributing to the architecture of the hair bundle, including its staircase pattern (PubMed:26754646). Involved in the elongation of actin in stereocilia tips by transporting the actin regulatory factor ESPN to the plus ends of actin filaments (PubMed:22264607). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201775