

Product datasheet for MC225002

Kif26a (NM_001097621) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif26a (NM_001097621) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif26a
Synonyms:	mKIAA1236
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225002 representing NM_001097621 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGGCCGCGGCCCTCCTTGTGTGCGGTGCAGCCCGCGGTGGCTGAGTGCGGCCCGGCTCGAGAGA
CCCCGCCACTTGAGGTATCCCCGCGCAAGAGGCTGCCCGCGGGCTCGATCAAGACCCATGCAGCAGCCG
CCCTGCTCCGGAGGGCGCCGGGGCCAGCGCTGAGCAGAGCCACTCGCCGGTGGGGCGGGTGGTCCCGC
CACTGCCACACGAAGCTCGTGGAGCTAAAACGACAGGCGTGAAGTTGGTCAGCGGGCCCGGACTCCTC
TCCGGATCCTTGCTCTACCTTGCTGCTTGACAAGCTCCCGCCTCTGGGGTTCAGCCGGCATGCCG
CCCTGACACCGAGAGCCGCTGTGACGTATGTACCACGCATCTGCACCAGCTCACTCGGGAAGCCCTGCGC
CTGTTACAGACACCTGCCAGTCACGAGGACCCCAATGCTTCCCGAGGAGGCCCTGCGGCTCCAGCTCCA
GGGACCCACCTGGACCCGTGGGCCTCATGGGGAGGCAGCCCTGTGGGACCTGACAGGAGGAAGGCAAC
GGCTTGGCCACCTGGCCCCAGCGTCCAGGTGTCGGTGGCACCAGCAGGCCCTGGGGGAGCATTGAGTACA
GTCACCATCCAGGCCAGCAGTGTGGAGGTGTGGAGCCTCAAGGGTCAACAGCTTCTTGCCAC
CACTTGCTGGCTGAGGCAGCTGTAGCTGCGGTGGCTGTGGCCGACACTGTCCGAGACTGTGCTCCAGC
AGCAGGCCCTGAACGTATGTGAAAGCGTGGGGCCGAGGGCAGCATGCACTACAGCCCTGGTTACCCCA
GCCCCAGGCACCTCAGCAGGGGTTCCACAGGCCGCTGCAGCGCCCTTTTATAAGGGCTGCC
AGAAGCTCAGCCTGGCTCCAAGCGCAAGAAGCATCACCCGCGCTGCGCCCTCCACCCGAGGCACATC
CACTTACCCACCGACTTCAGTGCTCTCTGCAGCTGTGGCCGCCCCCGGTGCCCCCTGCCTGCTCAGG
GCTGCCTCCAAGGCCAAGGAAAACCCAGCAGCTTCGAAAGGTGAAGTTATGCTGCGCATATGGCCGG
CACAAGGAGTCCAGCGCTCAGCCGAGTCCACATCCTTCTGAAGGTGGATTCTCGCAAGAAGCAGGTGAC
TCTCTATGACCCCGCTGCCGGGCTCCAGGCTGTGCAGGACTCCGGCACGCCCCACCGCACCAGTCCCC
AAGATGTTTGCTTTTGTGCCATCTTCCCCAGGACTCGGAGCAGGCTGAGGTCTGCTCAGGACAGTGG
CTGACGTGCTCCAGTCTGTGGTCACTGGAGCTGATGGCTGCATTTTTTCTTTGGCCACATGAGCCTCGG
CAAATCATACACCATGATTGGGAAGGACAGCTCACCCAGAGCCTGGGCATCGTGCCTGTGCTATCTCC



[View online >](#)

TGGCTCTTCAGGCTTATTGACGAACGCAAGGAGAGGCTGGGCACGCGCTTCTCCATCCGCGTGTCTGCCG
 TGAAGTGTGCGGCCACGACCAGAGTCTGCGGGACCTGCTTGCCGAGGTGGCTTCAGGCAGCCTTCAGGA
 CACCCAATCTCCGGGCGTGTACCTCCGGGAGGACCTGTGTGTGGGACACAGCTCCAGAACCAGAACGAG
 CTGCGTGCACCCACAGCAGAGAAGGCGGCCCTTCTACCTGGACGCGGCCCTGGCAGCCCGCAGCACCAGCC
 GTGCCGCTGCGGGGAGGAAGCCCGGCAAGCTCCCATATGCTCTTACCCTGCACGTGTACCAGTACCG
 TGTGGAGAAGTGTGGCCAAGGAGGAATGTCTGGAGGTCGTAGCCGCTGCACCTGATCGACCTGGGCAGC
 TGGCAGCAGCCGTGCGCAGAGGAGGAAGCCTCAGGGGGACCCCTCTGTCTGTCTGTCCAGCTGTGG
 GCAGTGTATTCTGGCCCTGGTCAACGGGGCCAAGCATGTGCCCTACAGGGACCACAGACTCACCATGTT
 ACTGCGGGAGTCCCTGGCTACCACCAATTGCCGCACCACTATGATCGCGCACATCTCAGACTCTCCAGCT
 CACCACGCAGAGACTCAGCACGGTGCAGCTGGCTGCCGCATCCACCCTGCGCAGGAAGAAGGGCA
 AGCATGCATCCAGTTCCTCAGGAGGAGAGACTCCTGTGAGGAGGGCCGAGCCCGCGTCCCCACACCT
 TCGGCCCTTCCACCACGGGCGTGGTGTGGACCCGACCGCTCGGCTCCTGGCTGTCCGGAGACCC
 GATTACTCATCCAGCAGTGAAGTCTGCGACACGGTCACTATGTGGTCCCGTGGGATGGCACTGT
 CAGACCGTGAAGTCAAGGACAACGAGGGCCACCTGACTTCGTGCCATCATCCCGCTGTGAGCCGACG
 CAGGCCCTCCGAGGGCCCGGGAGCTGACCCTTCCGCTGCAGTACGTTCCGCGAGCTGCAGGAGCGT
 CTGGAGTGCATAGATGGCAGCGAGGCATTCCTGGCCCCAGGGTGGCTCTGACGGAGCCCAAGCCAGCC
 CTGCCCGGGAGGCAGGAACCCCTCGTTACCTGAGGCCACACCCTCCAGGAAGGCTGTGGCCCCACAGT
 GGTACCAGTTCGCTCGAGGCAGCCCTGGGCACGATACTCACCGGAGCGCTCAGACCCCTCTAAGACT
 GGTACACAGAGTGAAGAGAGTATGTTCCCGGCTGAGCCACCTGCTTCAGACAAGACCTCAGGAG
 GCGGGGGCAGGAGGCCACTGCCAGTCCAGCCCTCCACCCTCGCCAGCCGGAAGCTCAAGGCATCCC
 CAAAGAACCTGGGGGAGAGGGTACTGACAGCGTGTGCGGACACCCCAAGTGGGCATGAGTGGACAGGG
 GCCTTGCCTCCGTTGCTCTCAGACTCGGCTTATCTCTCCCGTGGCTCGTGGACGCCATCTGGAGAGAG
 GCTGTGACACCACCGTGAAGTTCAGCAACCGGTGGAAGTCAATGGCAGGATGAGTGGTGGTTCAC
 GGTGGTAGAGGAGCTACCTCTGGGCGGACTTGCAGGGGGCACACGGCCCTCCAGTCTGGCCAGCATGAGC
 AGCGACTGCTCCCTGCAGGCTTGGCTTCCAGGTCAGGCGCAGTCAATCATCAGTAGCATCAATGACG
 AGTTTGTGCTTATACCTCACAGATGTCTGAGGGTCCCGGAGACCCGGGGAGTCCAGAGGGAACAGC
 GTGGGCTGGCGGAGTCCAGCCTCCTCATTGGCTCTGGCTGAGCGACGTTGGTGTCTGCTGTCTGAA
 AGCCGTGGTCCCACACCACAGCCTCCCTCAGCCCAACTCTGCAGCAGGGCCAGGTCCACCAGAGTTTC
 CTACCCAGGCAGCTCCCTAGAGAAAGCAAGGTGAGTCCCTCAGAGTGTGAAGACCAGACAATCCCGG
 CTCAGCCCGAGTCTCCACCCTGGAGAAGCAGTGAACAACCTCAGACCAACCTGGCAGAGAGCCTTGG
 GCCAGGTCCCGCATGAGGTAGCCTCAGCCAGACTATCCACTCCAGCCTGCCTCGGAAACCCAGGACTA
 CCTCCACAGCCAGCCGAGCTCGTCTAGCCGGGACCATACAGCCCTGGTGGCCTGTTTGGAGACCTTG
 GCTGCTCCGGGCAGAGGACTGTGACACGCGCCAGATAGCCTCTACGGGCAGAGCCCAAGCCCAACCCCA
 GGCTCCCTCGATTGCTGAGACTCAGATGATGCTGGCTGTGCCAGAGAGTGGTAGATGGGTGTGAGG
 TGGCATCCAGAATGTGCGGAGACCAGAGGCTGTGGCTCGGATCCACCTTTGCGGAGGGGGGCCACCAC
 ACTAGGAGTGACCACACCTGTGCATCCTGTGGGACGCTCCAGCAGAGGCAGTGGTCCATTAGGAAGC
 CTGAAGACCACCTCGGGCAGTAAGAAGAGTGTCTCCCAAGGGGGCCTTCTTCCAAGGCCTAGTGGGG
 CAGGGCCTCCAGCCACCTGTGCGCAAGTCGAGCCTGGAGCAGAGCACGGCCCTCACCCCAACCCAGGC
 CCTGGGACTGACCAGGGCAGGGCTCCTTTCGCTTCCGAGGGGAGGGAAGCCAGCCAGTGGTGGTCCG
 TCTGATTCTCTGTTCCCAAGGCCACATCCAGCCTGAAAGCCCGAGCTGGCAAGATGGACGTGCCATACC
 GTCCCTCTGGCCACATGTCCCTGGAACGGTGTGAGGGCCTGGCACATGGCAGCAGTAAGGTGAGAGATG
 CGTAGGACGGCCACCAAGGGCTGTGCCAGGTTGGGTGTACCATCCGCCAGCCCTCCACTTGGACCAGT
 CCTGCCTGTAGGAACAGCCAGCCCAAGGGTGTGGAGCAACCAAGCCTCCTGCTGGTGGAGTAAGGGTC
 GTAATCTGGGGCAAGTACATCTCGGGCTCTGGGTGCTCCGGTGAAGCCACTAGGGCCTGTGGCAGGCAA
 GACAGTGGTGGCGCTGTGCCAGGACCCCGAGCTGCTCCACGGGTGTGCCGGTATTGGGGCAAGGCC
 GGTCCGGGCACCATCATGGCACTAAGCAGGCATTTCCGGCTGCCATAGCCGTGTCCACGAATTGGCAG
 CCAGTGGATCTCCTAGTAGAGGTGGCCTCCTCGGGCTCGACGGACTCGGACAGCGGCAACGACAGCGG
 TGTGAACCTGGCTGAAGAGCGGCAGCCCTCGAGCCCTGCCCTGCCCTCCCCTTACAGCAAAGTGACCCT
 CCGAGGAGACCCAGCGCTACAGCAGTGGCCATGGCAGTGACAACAGCAGCGTGTGAGCGGCGAGCTGC
 CCCCCGCATGGGCCGCACTGCTCTTTTCTACCACAGTGGCGGCAGCAGTGGCTACGAGAGCATGATTCCG
 GGACAGCGAGGCCACTGGCAGTGCCTCCTCAGCTCCAGACTCCATGAGTGAAGTGGAAACGGCCTCCCTG
 GGTGCCGCTCCCGCAGCCTCAAGTCCCGAAGAAGAGAGCCACAGGTCTACAGCGGAGGAGGCTGATCC

CGGCCCACTTCCTGACGCTGCTGCTTTAGGCCGCAAGCCAGCCTCCCCGGGCAATGGGTGGACTTGCC
 CCCGCCCTGGCCGGCTCTCTGAAGGAGCCTTTTGAGATCAAGGTGTACGAAATAGATGACGTGGAGCGT
 CTGCAGCGGCACCGGCTGCCTCTGAGGGAGAATGAAGCCAAGCCCTCCAGGACGCAGAGAAGGGCCACG
 TGTGCATCAGCTCCAAGTGCCTCTCGCAGAGCGCAGGCAGCAGCGACTGCAGGAAGTGCAGGCCAAACG
 TGACCACCTCTGCGAGGAGCTGGCTGAGACCCAGGGCCGGCTGATGGTGGAACTGGGCGCTGGCTAGAG
 CAGTTTGAGGTGGACCCAGAGCTGGAGCCAGAGTCAGCTGAATATCTGGTGGCCCTGGAGCAAGCCACAG
 CTGCCCTGGAGCAGTGCCTTAACCTGTGCAAGGCCCATGTCATGATGGTCACTGCTTTGACATTGGAGT
 TGCTGCCACCACTGCTGTACCTGGCCACAAGAGGTGGATGTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001097621
- Insert Size:** 5646 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001097621.1](#), [NP_001091090.1](#)
- RefSeq Size:** 6918 bp
- RefSeq ORF:** 5646 bp
- Locus ID:** 668303
- UniProt ID:** [Q52KG5](#)
- Cytogenetics:** 12 F1
- Gene Summary:** Atypical kinesin that plays a key role in enteric neuron development. Acts by repressing a cell growth signaling pathway in the enteric nervous system development, possibly via its interaction with GRB2 that prevents GRB2-binding to SHC, thereby attenuating the GDNF-Ret signaling. Binds to microtubules but lacks microtubule-based motility due to the absence of ATPase activity.[UniProtKB/Swiss-Prot Function]