

Product datasheet for **SC125722**

KIF26A (BC009415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF26A (BC009415) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF26A
Synonyms:	DKFZp434N178; FLJ22753; KIAA1236; KIF26A variant protein; kinesin family member 26A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC009415 edited

CACCCACGGGCCCGCCCTTCCCTCCCCCTACAGCAAGGTGACCGCCCCACGGCGGCCCC
 AGCGCTACAGCAGCGCCATGGCAGCGACAACAGCAGCGTGCTGAGTGGAGAGCTGCCGC
 CCGCCATGGGCGCACCGCCCTTTTCCACCACAGCGGTGGCAGCAGTGGCTATGAGAGCC
 TGCGGCGCGACAGCGAGGCCACCGGCAGCGCCTTCCGCCCTGACTCCATGAGCGAGA
 GTGGGGCTGCCTCCCCAGGCGCCCGACCCGACGCCTCAAGTCCCCAAGAAGAGGGCCA
 CAGGTCTGCAGCGGCGCGCTGATTCCCGCCCCACTGCCCGACACCACTGCCCTGGGCC
 GTAAGCCAGCCTCCCCGGGCAGTGGGTGGACCTGCCCGCGCCCTGGCTGGCTCCCTGA
 AGGAGCCGTTTCGAGATCAAGGTGTACGAGATCGATGACGTGGAGCGCCTTCAGCGCCCC
 GCCCCACCCGAGGGAGGCCCCACCCAGGGTCTGGCGTGCCTCAGTACAAGGCTGCGGC
 TGGCGGAGCGCAGGCAGCAGCGGTGCGGGAGGTGCAGGCCAAGCACAAGCACCTGTGTG
 AGGAGCTGGCCGAGACCCAGGGCCGGCTGATGCTGGAGCCTGGCCGTGGCTGGAGCAGT
 TTGAGGTGGACCCGAGCTGGAGCCGAGTCGGCCGAGTACCTGGCGGCCCTGGAGCGAG
 CCACGGCGGCCCTGGAGCAGTGCCTGAACCTGTGCAAGGCGCACGTGATGATGGTCACT
 GCTTCGACATCAGCGTTGCAGCCAGTGTGCCATCCCGGGGCCGAGGAGGTGGAGCTCT
 GAGGCTGGGCGCCGACAAAGAGAGGGGGCGTGCAGCGGCTGGAGGACGGGACGTGGGA
 CGGAGCGAGGATGTGGTGGGGGCTGCGGGGGGAGGATGCGGAGGGGTTTCTGTGACGA
 CGGGAGTCTCAGAGAGGAGACGGAGTGTGGGGAGGGAGGGCCGCCACGCGGTGGACAG
 AGCGAGGGTGCCAGGGTGACCCGAAGACCGTCAACACCCGACAGCAACGCAAGTGCCCTT
 GACCTTGATTTGACTTTTCTCCCTTTTGCATTTGGTGTACAGACTTGAGACACCAGCA
 GAAGTTGTGTTAGCCCCGGCCCGCTGCGCCTGTCCGGGCCGGGGCTGGCGCCGGTTGTG
 TTTGTGTCCACCTTGCTTCTTTGCAGCCAAGCAGTTTTTGTGGAGTGGGACTTACCTGC
 ACGCCCCAGGGTCTTTTCAAGATTCAAGATGACTTTTCTTTTACAATGGTTTCTCTCGG
 CAGAGCCCGGGTTGTGGGGGATCTGTGTGGTTCTCAACGCAGATCCATCCTGGGGTCTC
 CCGGGCAGGGATGGCTGACCTCGAGTCCCTCCCTTCCGAGAACCTGCTCTGTCCCGAG
 GGCAGCTAAACAAGGGCTGAGCCCCAGGTACAGTTGCTCCTCCACGGCAGGAATTTTAA
 CCAAAACCACAAGCAAAAAACAAAACAGACCACACGACCAACAACAAGATGGGGGGTA
 GGGTTTTGTAAAGGTTCTGTTAGGTTTATATTTTATATCATTTTGGCCATAAATGCGGA
 ATTTGCCGTGGGAATTTGAAGACAAATGATCTATGTTTTATGTTTTCTAGGGAAGGTG
 TTCTGGGGGCCGGGCTCTCTCAGCTGTGGGAGGCTGCTCCCTCTGGGGGGCACCTGG
 GCAGGGTGGGGGGCCTTGGGAGGCGCTTCTTGCCAAATGCAGACGAGGGGTGAGCTGC
 CAGCGTTTGCGAGTCCCGCACGACAGGCTCATCTTTCTGAGGATCGTGCATAGCATA
 GGACGTCTGAACCTTTGTACAAATGTGTAGATGACATCTTGCTACAGCTTTTATTTGTGA
 ATTAAGATGCATTGATGGTTAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for BC009415 unedited

GTCAGGATTTGTAACGACTCACTATAGGGCGGCGCAATTGCGACGAGGCACCCACGG
 GCGCGGCCCTTCCCTCCCCCTACAGCAAGGTGACCGCCCCACGGCGGCCCCAGCGCTACA
 GCAGCGGCCATGGCAGCGACAACAGCAGCGTGCTGAGTGGAGAGCTGCCGCCCGCATGG
 GCCGCACCGCCCTTTTCCACCACAGCGGTGGCAGCAGTGGCTATGAGAGCCTGCGGCGCG
 ACAGCGAGGCCACCGGCAGCGCCTTCCGCCCTGACTCCATGAGCGAGAGTGGGGCTG
 CCTCCCCAGGCGCCCGCACCCGACGCCTCAAGTCCCCAAGAAGAGGGCCACAGGTCTGC
 AGCGGCGGCGCTGATTTCCCGCCCCACTGCCCGACACCACTGCCCTGGGCGTAAGCCCA
 GCCTCCCCGGGCAGTGGGTGGACCTGCCCGGCCCTGGCTGGCTCCCTGAAGGAGCCGT
 TCGAGATCAAGGTGTACGAGATCGATGACGTGGAGCGCCTTCAGCGGCCCGCCCCACCC
 CGAGGGAGGCCCCACCCAGGGTCTGGCGTGCGTACGACAAGGTGCGGCTGGCGGAGC
 GCANGCAGCAGCGGCTGCGGGAGGTGCANGCCAAGCACAGCACCTGTGTGAGGAGCTGG
 CCGAGACCCAGGGCCGGCTGATGCTGGAGCCTGGCCGCTGGCTGGAGCAGTTTGAAGTGG
 ACCCGGAGCTGGGAGCCCGAGTCGCCGAGTACCTGGCGGCCCTGGAGCGAGCCACGGCGG
 CCCCTGGAGCAGTGCCTGAACCTGTGCANGGCGCACGTGATGATGGTCACTGCTTCGAA
 TCAGCGTTGCAGCAGTGTGCCATCCCGGGGCCGAGAGGTGGACGTCTGGAGCTGGGCG
 CCNGACAAAAGGAGGGGCGTGCANGGCGTGNAGACGGGACTG

Restriction Sites:	Please inquire
ACCN:	BC009415
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:	BC009415.1 , AAH09415.1
RefSeq Size:	1972 bp
Locus ID:	26153
Cytogenetics:	14q32.33
Protein Families:	Druggable Genome
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 (By similarity).[UniProtKB/Swiss-Prot Function]