

Product datasheet for SC316611

KIF26A (NM_015656) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF26A (NM_015656) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF26A
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015656, the custom clone sequence may differ by one or more nucleotides

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ATGGTTCGGCCGCGGCGTCCCTCTGTGCGCTGCGCAGCCCGCGGTGGCCGAGGGCGGCCCG
GCCCCGAGCCGCGCCGCTGCTGGAGGTGTCCCCCGAAAGAGGCTACCCGCGGGGCC
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GGAGGAATGTCCGGAGGCCGAGCCGCCTGCACCTCATCGACCTGGGCAGCTGTGAGGCG
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 GTCACCTGCTTCGACATCAGCGTTGCAGCCAGTGTGCCATCCCGGGGCCGAGGAGGTG
 GACGTC

Restriction Sites:	Please inquire
ACCN:	NM_015656
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_015656.1, NP_056471.1</u>
RefSeq Size:	6757 bp
RefSeq ORF:	5649 bp
Locus ID:	26153

UniProt ID:	<u>Q9ULI4</u>
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]