

Product datasheet for **SC337319**

KIF3A (NM_001300791) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF3A (NM_001300791) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF3A
Synonyms:	FLA10; KLP-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001300791, the custom clone sequence may differ by one or more nucleotides

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ATGCCGATCAATAAATCAGAGAAGCCAGAAAGCTGCGATAATGTGAAGGTTGTTGTTAGGTGCCGGCCCC
TCAATGAGAGAGAGAAAATCAATGTGCTACAAACAGGCTGTCAGTGTGGATGAGATGAGGGAACTATCAC
TGACATAAGACTGATTCTTCCAATGAACCTCCAAGACATTTACTTTTGATACTGTTTTGGACCAGAG
AGTAAACAACTTGATGTTTATAACTTAACTGCAAGACCTATTATTGATTCTGTACTTGAAGGCTACAATG
GGACTATTTTTGCATATGGACAAACCGGAACAGGCAAAACTTTTACCATGGAAGGTGTTGAGCTATTCC
TGAAGTTAGAGGAATAATTCCCAATTCATTTGCTCACATATTTGGTCATATTGCAAAAGCGGAGGTGAT
ACAAGATTTTTGGTTGAGTGTCTTATTTGGAAATATATAATGAAGAAGTTCGTGACCTTTGGCAAGG
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TGTGGTAAATAATGCTGATGATATGGATAGAATTATGACGCTAGGCCACAAAAATCGTTCGTTGGTGCA
ACTAATATGAACGAACATAGTCCCGTTCCCATGCCATCTTACAATTACTATAGAATGCAGTAAAAAG
GCATTGATGGTAACATGCATGTCAGGATGGGAAGCTCCATCTTGTAGATCTTGTGGTTGAGAAAGACA
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GGTAATGTAATTTCTGCCTTGGTTGATGGAAAAAGCACTCATGTGCCTTATCGTAACTCTAAACTGACTC
GTCTTCTCAGGATTCCTTAGGAGGAAATTCAAAAACCATGATGTGTGCAAAATTTGGGCCAGCAGATTA
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TGTTCTGTCATAGAGAACTCTGGATAAGTTCTTGCCTAATCAAGCAGGAAAAAAGAAAGTCTCCCCAG
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AGCAGAGCAACTTCGAGAGAACTTGGGAAAAAGAGCAAGAACGCTTGGATTTGAAGAAAAATATACC
AGTTTGAAGAGGAAAGCACAGGGAAAGACCAAGAAGTTAAAGAAAGTTTGGACTATGCTGATGGCTGCAA
AGTCAGAGATGGCTGATCTCAACAAGAACATCAGAGGGAAATGAAGGCCTACTGGAGAACATTCGGCA
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ATTGAAAATATGTCCATTGGAATGAAGACATAGGAGAATGGCAGCTAAAATGTGTTGCTTATACAGGAA
ATAACATGAGGAAGCAAAACCCAGTACCTGATAAAAAGGAGAAAGATCCCTTTGAGGTGGACCTTTCTCA
CGTGTATCTTGCCTATACTGAGGAGAGTCTGCGTCAGTCTTTGATGAAACTAGAAAGACCACGAACTTCA
AAGGGAAAGCAAGGCCAAAGACAGGGAGAAGAAAGCGTTCTGCAAGCCTGAACTGTAATTGACTCTT
TACTGCAGTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001300791

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:	<ol style="list-style-type: none">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_001300791.1 , NP_001287720.1
RefSeq Size:	6356 bp
RefSeq ORF:	2181 bp
Locus ID:	11127
UniProt ID:	Q9Y496
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome
Gene Summary:	<p>Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation. Plays a role in centriole cohesion and subdistal appendage organization and function. Regulates the formation of the subdistal appendage via recruitment of DCTN1 to the centriole. Also required for ciliary basal feet formation and microtubule anchoring to mother centriole. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>