

Product datasheet for SC316593

KIF4B (NM_001099293) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF4B (NM_001099293) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316593 representing NM_001099293. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAAGGAAGAGGTGAAGGGAATTCCTGTAAGAGTGGCACTGCGTTGTCGCCCTCTGGTCCCCAAAGAG
 ATTAGCGAGGGCTGCCAGATGTGCCTTTCTTCGTGCCCGGGGAGACTCAGGTGGTGGTGGTACTGAT
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ATTCAGTTTCAATACCAGGATAACATAAAAAATCTAGAATTAGAAGTCATCAATCTGCAAAAGGAAAAAG
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TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001099293
Insert Size:	3705 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).
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_001099293.2</u>
RefSeq Size:	4378 bp
RefSeq ORF:	3705 bp
Locus ID:	285643
UniProt ID:	<u>Q2VIQ3</u>
Cytogenetics:	5q33.2
Protein Families:	Druggable Genome
MW:	140 kDa
Gene Summary:	This gene is an intronless retrocopy of kinesin family member 4A. The protein encoded by this gene is a microtubule-based motor protein that plays vital roles in anaphase spindle dynamics and cytokinesis. [provided by RefSeq, Jul 2016]