

Product datasheet for **SC309887**

KIF13B (NM_015254) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF13B (NM_015254) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF13B
Synonyms:	GAKIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309887 representing NM_015254. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites:	Sgfl-MluI
Plasmid Map:	□
ACCN:	NM_015254
Insert Size:	5481 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:	<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:	<u>NM_015254.3</u>
RefSeq Size:	8774 bp
RefSeq ORF:	5481 bp
Locus ID:	23303
UniProt ID:	<u>Q9NQ8</u>
Cytogenetics:	8p12
Domains:	FHA, CAP_GLY, kinesin
Protein Families:	Druggable Genome
MW:	202.8 kDa

Gene Summary:

Involved in reorganization of the cortical cytoskeleton. Regulates axon formation by promoting the formation of extra axons. May be functionally important for the intracellular trafficking of MAGUKs and associated protein complexes.[UniProtKB/Swiss-Prot Function]