

Product datasheet for **SC324239**

KIF18A (NM_031217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF18A (NM_031217) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF18A
Synonyms:	MS-KIF18A; PPP1R99
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_031217.2
GAGAAGTATTTCAAGTATTTATACAGATAGGAATCAAGATAATCAACAATGTCTGTCACTG
AGGAAGACCTGTGCCACCATATGAAAGTAGTAGTTCGTGTACGTCCGAAAAACACTAAAG
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GCAAAATGAAGTTGATCAAATCTGCTTTTCAAAGTTTATCAATACCTTTCAAAAATATA
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GCAGAAAATGAAACTCTTTGTTTTCTTTTGTGTTCTAAAAAAAAAAAAAAAAAAAAAA
AA
    
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Restriction Sites:	ECoRI-NOT
ACCN:	NM_031217
Insert Size:	2697 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_031217.2</u> , <u>NP_112494.2</u>
RefSeq Size:	3379 bp
RefSeq ORF:	2697 bp
Locus ID:	81930
UniProt ID:	<u>Q8NI77</u>
Cytogenetics:	11p14.1
Domains:	kinesin
Protein Families:	Druggable Genome
Gene Summary:	KIF18A is a member of the kinesin superfamily of microtubule-associated molecular motors (see MIM 148760) that use hydrolysis of ATP to produce force and movement along microtubules (Luboshits and Benayahu, 2005 [PubMed 15878648]).[supplied by OMIM, Aug 2008]