

Product datasheet for **RG208235**

KIF18A (NM_031217) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF18A (NM_031217) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIF18A
Synonyms:	MS-KIF18A; PPP1R99
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208235 representing NM_031217
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGTCACTGAGGAAGACCTGTGCCACCATATGAAAGTAGTAGTTCGTGTACGTCCGAAAACTA
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG208235 representing NM_031217
 Red=Cloning site Green=Tags(s)

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MSVTEEDLCHHMKVVVVRPENTKEKAAGFHKVVHVVDKHILVFDPKQEEVSFFHGKTTNQNVIKKQNK
DLKFVFDVAVFDETSQSEVFEHTTKPILRSFLNGYNCTVLAYGATGAGKHTMLGSADEPGVMYL TMLHL
YKCMDEIKEEKICSTAVSYLEVYNEQIRDLLVNSGPLAVREDTQKGVVVHGLTLHQPKSSEEILHLLDNG
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TRTRPLE - GFP Tag - V

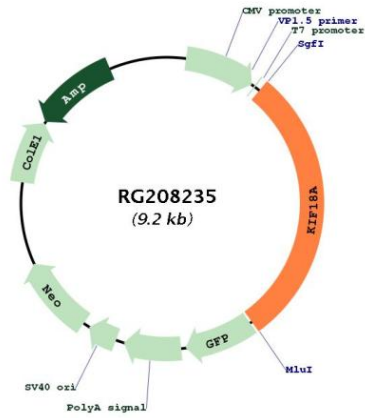
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_031217
ORF Size:	2694 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_031217.2 , NP_112494.2
RefSeq Size:	3379 bp
RefSeq ORF:	2697 bp
Locus ID:	81930
UniProt ID:	Q8NI77
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]

Product images:



Circular map for RG208235