

## Product datasheet for TP510130

### Kif3a (NM\_008443) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse kinesin family member 3A (Kif3a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210130 representing NM_008443 Red=Cloning site Green=Tags(s)

MPINKSEKPESCDNVKVVRCRPLNEREKSMCYRQAVSVDEMRTITVHKTDSSNEPPKTFTFDTVFGPE  
SKQLDVYNLTARPIIDSVLEGYNGTIFAYGQTGTGKTFTMEGVRAVPLRGVIPNSFAHIFGHIKAEGD  
TRFLVRVSYLEIYNEEVRDLLGKDQTRLEVKERPDVGVYIKDLSAYVNNADDMDRIMTLGHKNRSVGA  
TNMNEHSSRSHAIFTITIECSEKGV DGNMHVRMGKHLVLDLAGSERQAKTGATGQRLKEATKINLSLSTL  
GNVISALVDGKSTHVPYRNSKLTRLLQDSLGGNSKTMCMANIGPADYNYDETISTLRYANRAKNIKAKAR  
INEDPKDALLRQFQKEIEELKKKLEEGEEVSGSDISGSEEDDEEGELGEDGKKKKRRDQAGKKKVPDK  
MVEMQAKIDEERKALETKLDMEEEERNKARAELEERREKDLLKAQQEHQSLLEKLSALEKKVIVGGVDLLA  
KAEQEKLLEESNMELEERRRRAEQLRKELEEKEQERLDIEEKYTSLQEEAQGKTKLKKVWTMLMAKS  
EMADLQQEHQREIEGLLENIRQLSRELRLQMLIIDNFIPQDYQEMIENYVHWNEDIGEWQLKCVAYTGNN  
MRKQTPVPDKKERDPFEVDLSHVYLYAYTEESLRQSLMKLERPRTSKGKARPKMGRKRSAKPETVIDSL  
Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	80.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_032469</a>
<b>Locus ID:</b>	16568
<b>UniProt ID:</b>	<a href="#">P28741</a> , <a href="#">Q3UF02</a>
<b>RefSeq Size:</b>	5450
<b>Cytogenetics:</b>	11 31.97 cM
<b>RefSeq ORF:</b>	2103
<b>Synonyms:</b>	Kif3; Kifl; Kns3
<b>Summary:</b>	Microtubule-based anterograde translocator for membranous organelles. Plus end-directed microtubule sliding activity in vitro. Plays a role in primary cilia formation (PubMed:21670265). 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 (PubMed:23386061).[UniProtKB/Swiss-Prot Function]