

Active Recombinant Human KIF20A Protein,His-tagged

Cat. No. KIF20A-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human KIF20A Protein,His-tagged was expressed in a prokaryotic system.
Species	Human
Source	prokaryotic system
Tag	N-His
Form	lyophilized powder
Molecular Mass	54 kDa
Purity	>70% by scanning densitometry of a coomassie-stained SDS-PAGE gradient gel.
Applications	Measurement of Microtubule-activated ATPase assays. Identification/characterization of proteins or small molecules that affect motor ATPase activity. Identification/characterization of proteins or small molecules that affect motor/microtubule interactions.
Notes	Kinesins do not respond well to repeated freeze /thaws and for storage at -70°C the protein concentration should not be less than 5 mg / ml. Kinesin diluted below 5 mg/ml should not be re-frozen as it will lose activity.

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Storage	The lyophilized protein is stable for at least 1 year when stored at 4°C with a desiccant (humidity <10%). Alternatively, the lyophilized protein can be stored at -70°C and is stable at least 1 year.
Reconstitution	The protein should be reconstituted to 5 mg/ml with ice cold Milli-Q water. See above table for resuspension volumes. The protein can be aliquoted into experiment sized tubes and snap frozen in liquid nitrogen. When reconstituted and stored at -70°C, the protein will be stable for at least 4 months.
References	1. Hackney, D and Jiang, W. (2001) Methods in Molecular Biology (Humana Press) 164:65-71. 2. Kuriyama et al. 1994. J. Cell Science 107:3485-3499. 3. Nislow et al. 1992. Nature 359:543-547.

GENE INFORMATION

Gene Name	KIF20A kinesin family member 20A [Homo sapiens (human)]
Official Symbol	KIF20A
Synonyms	RCM6,MKLP2,RAB6KIFL,KIF20A
Gene ID	10112
mRNA Refseq	NM_005733
Protein Refseq	NP_005724
MIM	605664
UniProt ID	O95235

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