

# Recombinant Kinesin Family, Member 18A (KIF18A) Instruction Manual

**SIPF571Hu01**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1 $\mu$ g (determined by the LAL method)
<b>Subcellular Location</b>	Nucleus, Cytoplasm
<b>Predicted Molecular Mass</b>	55.2kDa
<b>Accurate Molecular Mass</b>	55kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Lys453 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	8.6
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

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MSVTEEDLCH HMKVVVRVRP ENTKEKAAGF HKVVHVVDKH ILVFDPKQEE  
VSFFHGKKT NQNVIKKQNK DLKFVFDVAV DETSTQSEVF EHTTKPILRS  
FLNGYNCTVL AYGATGAGKT HTMLGSADEP GVMYLTMLHL YKCMDEIKEE  
KICSTAVSYL EVYNEQIRDL LVNSGPLAVR EDTQKGVVVH GLTLHQPKSS  
EEILHLLDNG NKNRTQHPTD MNATSSRSHA VFQIYLRQQD KTASINQNR  
IAKMSLIDLA GSERASTSGA KGTRFVEGTN INRLLALGN VINALADSKR  
KNQHIPPYRNS KLTRLLKDSL GGNCQTIMIA AVSPSSVFYD DTYNTLKYAN  
RAKDIKSSLK SNVLNVNNHI TQYVKICNEQ KAEILLLKEK LKAYEEQKAF  
TNENDQAKLM ISNPQEKEIE RFQEILNCLF QNREEIRQEY LKLEMLLKEN  
ELK
```

## USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

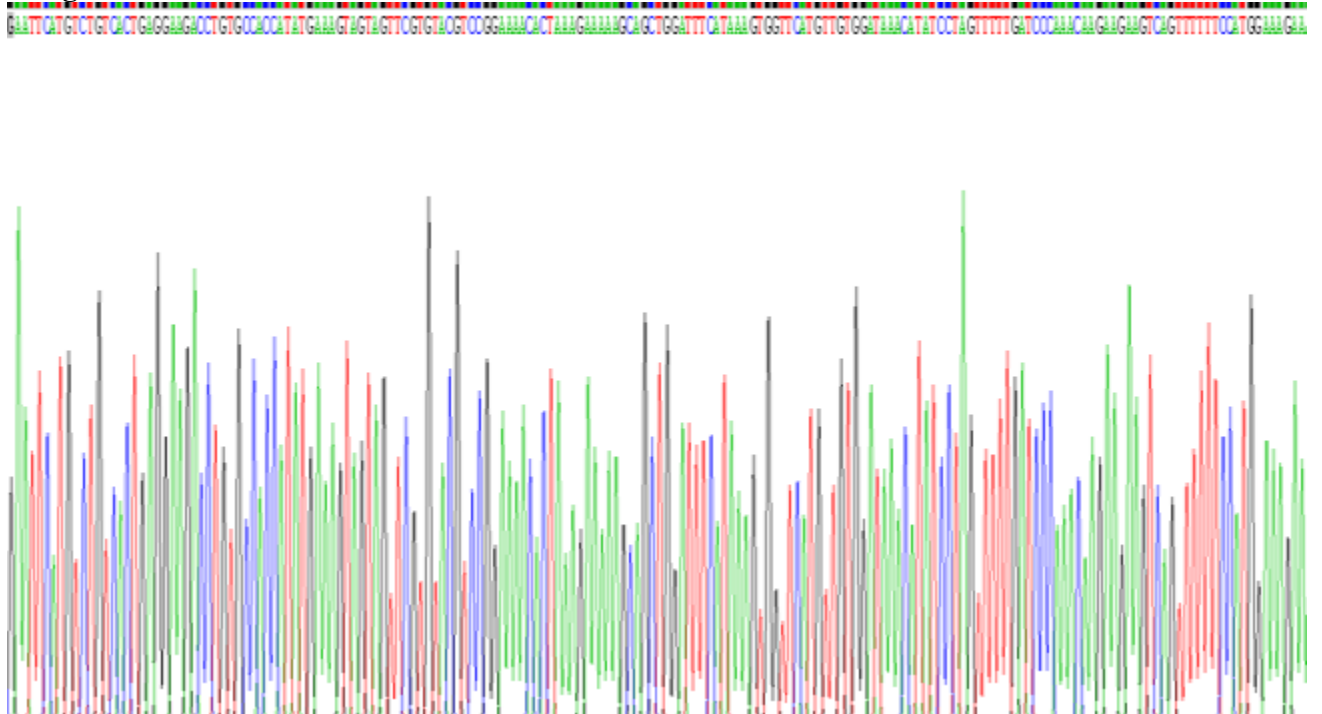
## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image



## **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.