

# Recombinant Full Length Human KIF20A Protein, C-Flag-tagged

**Cat. No.** KIF20A-1366HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human KIF20A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Enables protein kinase binding activity. Involved in microtubule bundle formation; midbody abscission; and regulation of cytokinesis. Located in several cellular components, including cleavage furrow; intercellular bridge; and midbody. Implicated in restrictive cardiomyopathy.                                                                                                                                                                                                                    |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 100.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MSQGILSPPAGLLSDDDVVVSPMFESTAADLGSVVRKNLLSDCSVVSTSLEDKQQV<br>PSEDSMEKVKVYLR VRPLLSELERQEDQGCVRIENVETLVLQAPKDSFALKSNER<br>GIGQATHRFTFSQIFGPEVGQASFFNLT VKEMVKDVLKGQNWLIYTYGVTNSGKTH<br>TIQGTIKDGGILPRSLALIFNSLQGQLHPTPDLKPLLSNEVI WLDSKQIRQEEMKKLSL<br>LNGGLQEEELSTSLKRSVYIESRIGTSTSFDSGIAGLSSISQCTSSSQLDETS HRWA<br>QPDTAPLPVPANIRFSIWISFFEIYNELLYDLLEPPSQQRKRQTLRLCEDQNGNPYVK<br>DLNWIHVQ DAEEAWKLLKVGRKNQSFATHLNQNSSRSHSIFSIRILHLQGECDIVP<br>KISELSLCDLAGSERCKDQKS GERLKEAGNINTSLHTLGRCIAALRQNQQNRSKQNL |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

VPFRDSKLTRVFQGGFTGRGRSCMIVNVNPCAST YDETLHVAKFSAIASQLVHAPP  
 MQLGFPSLHSHFIKEHSLQVSPSLEKGAKADTGLDDDIENEADISMYGK EELLQVVEA  
 MKTLLLLKERQEKLQLEMHLRDEICNEMVEQMQQREQWCSEHLDTQKELLEEMYEE  
 KLNILK ESLSFYQEEIQERDEKIEELEALLQEARQQSVAHQQSGSELALRRSQRLA  
 ASASTQQLQEVKAKLQQCK AELNSTTEELHKYQKMLEPPPSAKPFTIDVDKKLEEG  
 QKNIRLLRTELQKLGESLQSAERACCHSTGAGK LRQALTTCDDILIKQDQTLAELQN  
 NMVLVKLDLRKKAACIAEQYHTVLKLQGQVSAKKRLGTNQENQQPN  
 QQPPGKKPFLRNLLPRTPTCQSSTDCSPYARILRSRRSPLLKSGPFGKKYTRTRPLE  
 QKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <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>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

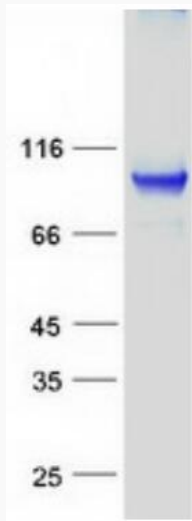
|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| <b>Gene Name</b>       | KIF20A kinesin family member 20A [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | KIF20A                                                    |

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|                       |                       |
|-----------------------|-----------------------|
| <b>Synonyms</b>       | RCM6; MKLP2; RAB6KIFL |
| <b>Gene ID</b>        | 10112                 |
| <b>mRNA Refseq</b>    | NM_005733.3           |
| <b>Protein Refseq</b> | NP_005724.1           |
| <b>MIM</b>            | 605664                |
| <b>UniProt ID</b>     | O95235                |



Coomassie blue staining of purified KIF20A protein.