



# Recombinant Human Kinesin-associated protein 3 (KIFAP3)

<b>Product Code</b>	CSB-EP012347HU-B
<b>Abbreviation</b>	KIFAP3
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q92845
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MQGEDARYLK RKVKGGNIDV HPSEKALIVH YEVEATILGE MGDPM LGERK ECQKIIRLKS LNANTDITSL ARKVVVEECKL IHPSKLNEVE QLLYYLQNR DSLSGKEKKE KSSKPKDPPP FEGMEIDEVA NINDMDEYIE LLYEDIPDKV RGSALILQLA RNP DNLEELL LNETALGALA RVLREDWKQS VELATNIIYI FFCFSSFSQF HGLITHYKIG ALCMNIIDHE LKRHELWQEE LSKKKKAVDE DPENQTLRKD YEKTFKKYQG LVVKQEQLL VALYLLLNL A EDTRTELKMR NKNIVHMLVK ALDRDNFELL ILVVSFLKKL SIFMENKNDM VEMDIVEKLV KMIPCEHEDL LNITLRLLLN LSFDTGLRNK MVQVGLLPKL TALLGNDNYK QIAMCVLYHI SMDDRFKSMF AYTD CIPQLM KMLFECSDER IDLELISFCI NLAANKRNVQ LICEGNGLKM LMKRALKFKD PLLMKMIRNI SQHDGPTKNL FIDYVGDLAA QISNDEEEEF VIECLGTLAN LTIPDLDWEL VLKEYKLV PY LKDKLKPGAA EDDL VLEVVI MIGTVSMDDS CAALLAKSGI IPALIELLNA QQEDEFVCQ IYVFYQMVF HQATRDVIK ETQAPAYLID LMHDKNNEIR KVC DNTLDII AEYDEEWAKK IQSEKFRWHN SQWLEMVESR QMDESEQYLY GDDRIEPIYH EGDILERPDL FYNSDGLIAS EGAISP DFFN DYHLQNGDVV GQHSFPGSLG MDGFGQP VGI LGRPATAYGF RPDEPYYYGY GS
<b>Source</b>	E.coli
<b>Target Names</b>	KIFAP3
<b>Protein Names</b>	Recommended name: Kinesin-associated protein 3 Short name= KAP-3 Short name= KAP3 Alternative name(s): Smg GDS-associated protein
<b>Expression Region</b>	1-792
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	The small G protein GDP dissociation stimulator (smg GDS) is a regulator protein having two activities on a group of small G proteins including the Rho



and Rap1 family members and Ki-Ras; one is to stimulate their GDP/GTP exchange reactions, and the other is to inhibit their interactions with membranes. This protein contains 9 Armadillo repeats and interacts with the smg GDS protein through these repeats. This protein, which is highly concentrated around the endoplasmic reticulum, is phosphorylated by v-src, and this phosphorylation reduces the affinity of the protein for smg GDS. It is thought that this protein serves as a linker between human chromosome-associated polypeptide (HCAP) and KIF3A/B, a kinesin superfamily protein in the nucleus, and that it plays a role in the interaction of chromosomes with an ATPase motor protein.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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