



Recombinant Human Kinesin-associated protein 3 (KIFAP3)

Product Code	CSB-MP012347HU
Abbreviation	KIFAP3
Storage	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.
Uniprot No.	Q92845
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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 YEKTFK KYQG 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 LTIPDL DWEL VLKEYKLV PY LKDKLKPGAA EDDL VLEVVI MIGTVSMDDS CAALLAKSGI IPALIELLNA QQEDDEFVCQ IYVFYQMVF HQATRDVIK ETQAPAYLID LMHDKNNEIR KVC DNTLDII AEYDEEWAKK IQSEKFRWHN SQWLEMVESR QMDESEQYLY GDDRIEPIYH EGDILERPDL FYNSDGLIAS EGAISP DFFN DYHLQNGDVV GQHSFPGSLG MDGFGQP VGI LGRPATAYGF RPDEPYYYGY GS
Source	Mammalian cell
Target Names	KIFAP3
Protein Names	Recommended name: Kinesin-associated protein 3 Short name= KAP-3 Short name= KAP3 Alternative name(s): Smg GDS-associated protein
Expression Region	1-792
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

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.

Shelf Life

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.