

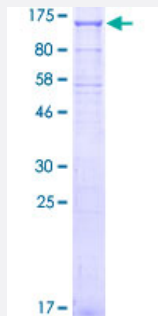
Full-Length

KIFAP3 (Human) Recombinant Protein (P01)

Catalog # H00022920-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human KIFAP3 full-length ORF (ABM85040.1, 1 a.a. - 792 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MQGEDARYLKRVKGGNIDVHPSEKALVHYEVEATILGEMGDPMLGERKECQKIIRLKSLNANTDI
TSLARKVVEECKLIHPSKLNVEVEQLLYLQNRDLSGKEKKEKSSKPKDPPPFEGMEIDEVANIN
DMDEYIELLYEDIPDKVRGSALILQLARNPDNLEELLNETALGALARVLREDWKQSVELATNIYFF
CFSSFSQFHGLITHYKIGALCMNIIDHELRHELWQEELSKKKKAVDEDPENQTLRKDYECTFKKY
QGLVVKQEQLLRVALYLLNLAEDTRTELKMRNKNIVHMLVKALDRDNFELLILVVSFLKKLSIFME
NKNDMVEMDIVEKLVKMIPCEHEDLLNITLRLLLNLSFDTGLRNKMVQVGLLPKLTALLGNDNYKQI
AMCVLYHISMDDRFSMFAYTDCIPQLMKMLFECSDERIDLEISFCINLAANKRNVQLICEGNGLK
MLMKRALKFKDPLLMMKMRNISQHDGPTKNLFDYVGDIAAQISNDEEEEFVIECLGTLANLTIPDL
WELVLKEYKLVPLYKDKLKPGAEDDLVLEVVIMIGTVSMDDSCAALLAKSGIIPALIELLNAQQED
DEFVCQIYVFYQMVFHQATRDVHKETQAPAYLIDLMHDKNNEIRKVCNTLDIAEYDEEWAKKIQS
EKFRWHNSQWLEMVESRQMDSESEQLYGDDRIEPIYHEGDILERPDLFYNSDGLIASEGAISPDDF
NDYHLQNGDVVGQHSFPGSLGMDGFGQPVGILGRPATAYGFRPDEPYYYGYGS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

113.52

Interspecies Antigen Sequence

Mouse (98); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KIFAP3

Entrez GeneID	22920
GeneBank Accession#	DQ894114.2
Protein Accession#	ABM85040.1
Gene Name	KIFAP3
Gene Alias	FLJ22818, KAP3, SMAP, Smg-GDS, dJ190I16.1
Gene Description	kinesin-associated protein 3
Omim ID	601836
Gene Ontology	Hyperlink

Gene Summary

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. The protein encoded by this gene 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. [provided by RefSeq]

Other Designations

OTTHUMP00000034158|small G protein GDP dissociation stimulator|smg GDS-associated protein

Disease

- [Amyotrophic Lateral Sclerosis](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasm Invasiveness](#)
- [Osteoporosis](#)
- [Prostatic Neoplasms](#)