Target of rapamycin complex 2 subunit MAPKAP1 Recombinant Protein | MAPKAP1 recombinant protein

Recombinant Human Target of rapamycin complex 2 subunit MAPKAP1

CATALOG #	HOST
AAA117024	**E Coli or Yeast or Baculovirus or Mammalian Cell**

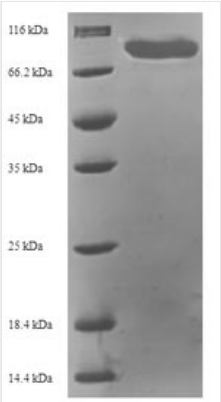
PRODUCT SYNONYMS

Target of rapamycin complex 2 subunit MAPKAP1; Recombinant Human Target of rapamycin complex 2 subunit MAPKAP1; Mitogen-activated protein kinase 2-associated protein 1; Stress-activated map kinase-interacting protein 1; SAPK-interacting protein 1; mSIN1; MAPKAP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-522aa; Full Length
Sequence	AFLDNPTIIL AHIRQSHVTS DDTGMCEMVL IDHDVDLEKI HPPSMPGDSG SEIQGSNGET QGYVYAQSVD ITSSWDFGIR RRSNTAQRLE RLRKERQNQI KCKNIQWKER NSKQSAQELK SLFEKKSLKE KPPISGKQSI LSVRLEQCPL QLNNPFNEYS KFDGKGHVGT TATKKIDVYL PLHSSQDRLL PMTVVTMASA RVQDLIGLIC WQYTSEGREP KLNDNVSAYC LHIAEDDGEV DTDFPPLDSN EPIHKFGFST LALVEKYSSP GLTSKESLFV RINAAHGFSL IQVDNTKVTM KEILLKAVKR RKGSQKVSGP QYRLEKQSEP NVAVDLDSTL ESQSAWEFCL VRENSSRADG VFEEDSQIDI ATVQDMLSSH HYKSFKVSMI HRLRFTTDVQ LGISGDKVEI DPVTNQKAST KFWIKQKPIS IDSDLLCACD LAEEKSPSHA IFKLTYLSNH DYKHLYFESD AATVNEIVLK VNYILESRAS TARADYFAQK QRKLNRRTSF SFQKEKKSGQ Q
Sequence Length	522
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MAPKAP1 recombinant protein	Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient-insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTORC2 plays a critical role in AKT1 'Ser-473' phosphorylation, which may facilitate the phosphorylation of the activation loop of AKT1 on 'Thr-308' by PDK1 which is a prerequisite for full activation. mTORC2 regulates the phosphorylation of SGK1 at 'Ser-422'. mTORC2 also modulates the phosphorylation of PRKCA on 'Ser-657'. Within mTORC2, MAPKAP1 is required for complex formation and mTORC2 kinase activity. MAPKAP1 inhibits MAP3K2 by preventing its dimerization and autophosphorylation. Inhibits HRAS and KRAS signaling. Enhances osmotic stress-induced phosphorylation of ATF2 and ATF2-mediated transcription. Involved in ciliogenesis, regulates cilia length through its interaction with CCDC28B independently of mTORC2 complex.
Product Categories/Family for MAPKAP1 recombinant protein	Signal Transduction
References	"Alternative polyadenylation and splicing of mRNAs transcribed from the human Sin1 gene." Schroder W., Cloonan N., Bushell G., Sculley T. Gene 339:17-23(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	56788407
NCBI GeneID	79109
NCBI Accession #	NP_001006618.1
NCBI GenBank Nucleotide #	NM_001006617.1
UniProt Accession #	Q9BPZ7; Q00426; Q5JSV5; Q5JSV6; Q5JSV9; Q658R0; Q699U1; Q699U2; Q699U3; A8K1Z5; B1AMA4; B7Z309
Molecular Weight	75 kDa
NCBI Official Full Name	target of rapamycin complex 2 subunit MAPKAP1 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase associated protein 1
NCBI Official Symbol	MAPKAP1
NCBI Official Synonym Symbols	MIP1; SIN1; JC310; SIN1b; SIN1g
NCBI Protein Information	target of rapamycin complex 2 subunit MAPKAP1
UniProt Protein Name	Target of rapamycin complex 2 subunit MAPKAP1
UniProt Gene Name	**MAPKAP1**
UniProt Synonym Gene Names	MIP1; SIN1; TORC2 subunit MAPKAP1; SAPK-interacting protein 1; mSIN1
UniProt Entry Name	SIN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mapkap1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117024