Katanin P60 Atpase-Containing Subunit A1 (KATNA1) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Katanin p60 ATPase-containing subunit A1 (KATNA1), Recombinant Protein
Full Product Name	Recombinant Chicken Katanin p60 ATPase-containing subunit A1 (KATNA1)
Product Gene Name	KATNA1 recombinant protein
Product Synonym Gene Name	KATNA1
Sequence	MSLVMISENV KLAREYALLG NYDSAMVYYQ GVLDQMNKYL YSLRDTYLQQ KWQQVWQEIS VEAKHVKDIM KMLESFKIDS TPPKASQQEL PAHDAEVWSL PVPAERRPSP GPRKRQSAQY SDCRGHNNRI SAAVRGPHRP SSRNPNDKGK AVRGREKKDQ QNKGKEEKSK STSEISESEP KKFDSTGYDK DLVEALERDI ISQNPNIRWD DIADLVEAKK LLKEAVVLPM WMPEFFKGIR RPWKGVLMVG PPGTGKTLLA KAVATECKTT FFNVSSSTLT SKYRGESEKL VRLLFEMARF YAPTTIFIDE IDSICSRRGT SEEHEASRRV KAELLVQMDG VGGATENDDP SKMVMVLAAT NFPWDIDEAL RRRLEKRIYI PLPSAKGREE LLRINLRELE LADDVDLANI AEKMEGYSGA DITNVCRDAS LMAMRRRIEG LTPEEIRNLS RDEMHMPTTM EDFEIALKKV SKSVSAADIE KYEKWIVEFG SC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	56,039 Da
Sequence Positions	1-492, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q1HGK7
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KATNA1 recombinant protein	Microtubules, polymers of alpha and beta tubulin subunits, form the mitotic spindle of a dividing cell and help to organize membranous organelles during interphase. Katanin is a heterodimer that consists of a 60 kDa ATPase (p60 subunit A 1) and an 80 kDa accessory protein (p80 subunit B 1). The p60 subunit acts to sever and disassemble microtubules, while the p80 subunit targets the enzyme to the centrosome. This gene encodes the p80 subunit. This protein is a member of the AAA family of ATPases.
Other Notes	Small volumes of KATNA1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KATNA1 purchase	MBS1312544 is a recombinant protein targeting KATNA1. Also known as Recombinant Chicken Katanin p60 ATPase-containing subunit A1 (KATNA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KATNA1. It may not necessarily be applicable to this product.

NCBI GI #	113206090
NCBI GeneID	421626
NCBI Accession #	NP_001038113.1
UniProt Primary Accession #	Q1HGK7
UniProt Related Accession #	Q1HGK7
GenBank Nucleotide #	NM_001044648.1
NCBI Official Full Name	katanin p60 ATPase-containing subunit A1
NCBI Official Synonym Full Names	katanin catalytic subunit A1
NCBI Official Symbol	KATNA1
UniProt Protein Name	Katanin p60 ATPase-containing subunit A1
UniProt Synonym Protein Names	p60 katanin
UniProt Gene Name	KATNA1
UniProt Synonym Gene Names	Katanin p60 subunit A1
NCBI Protein Information	katanin p60 ATPase-containing subunit A1
UniProt Comments for KATNA1	Catalytic subunit of a complex which severs microtubules in an ATP-dependent manner. Microtubule severing may promote rapid reorganization of cellular microtubule arrays and the release of microtubules from the centrosome following nucleation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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