

Recombinant Human KATNA1 protein, His & T7-tagged

Cat. No. KATNA1-7877H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KATNA1 aa. (Glu8~Met229 (Accession # O75449)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu8~Met229
Description	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. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Form	Freeze-dried powder
Molecular Mass	34kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KATNA1 katanin catalytic subunit A1 [Homo sapiens (human)]
Official Symbol	KATNA1
Synonyms	KATNA1; katanin catalytic subunit A1; katanin p60 ATPase-containing subunit A1; katanin p60 (ATPase containing) subunit A 1; katanin p60 subunit A1; p60 katanin
Gene ID	11104
mRNA Refseq	NM_001204076.1

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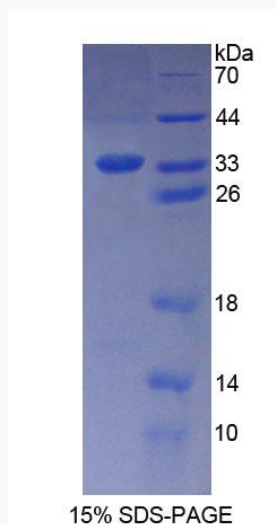
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Protein Refseq NP_001191005.1

UniProt ID O75449

SDS-PAGE



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