Recombinant Human KATNB1 Protein, His-tagged

Cat. No. KATNB1-2355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KATNB1 Protein (Gln377-Asp655) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln377-Asp655
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. Katanin is a member of the AAA family of ATPases.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.3 kDa Accurate Molecular Mass: 37 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	KATNB1 katanin p80 (WD repeat containing) subunit B 1 [Homo sapiens (human)]
Official Symbol	KATNB1
Synonyms	KATNB1; katanin p80 (WD repeat containing) subunit B 1; katanin p80 (WD40 containing) subunit B 1; katanin p80 WD40-containing subunit B1; p80 katanin; katanin (80 kDa); katanin p80 subunit B1; katanin p80 (WD40-containing) subunit B 1; KAT;
Gene ID	10300
mRNA Refseq	NM_005886
Protein Refseq	NP_005877

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MIM	602703
UniProt ID	Q9BVA0

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