

Recombinant Human KATNB1, T7-tagged

Cat. No. KATNB1-1543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KATNB1 was expressed in <i>E. Coli</i> using an N-terminal T7 tag. MW= 75.3 kDa.
Species	Human
Source	E.coli
Description	Microtubules, polymers of α and β 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.
Sequence	1-655.
Purity	~95%.
Specific Activity	n/aH.
Preparation	0.1mg/0.5 ml.
Applications	E, WB, MS.
Buffer	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃ , 10mM DTT.

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Storage	Store at -70°C. As with any protein, exposing KATNB1 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
SDS-PAGE	SDS PAGE Analysis of KATNB1 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.
GENE INFORMATION	
Gene Name	KATNB1 katanin p80 (WD repeat containing) subunit B 1 [Homo sapiens]
Synonyms	KATNB1; katanin p80 (WD repeat containing) subunit B 1; KAT; katanin (80 kDa); katanin p80 subunit B 1; katanin p80 (WD40-containing) subunit B 1
Gene ID	10300
mRNA Refseq	NM_005886
Protein Refseq	NP_005877
MIM	602703
UniProt ID	Q9BVA0
Chromosome Location	16q21
Function	dynein binding; microtubule binding; microtubule-severing ATPase activity; protein heterodimerization activity

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