Recombinant Human KATNB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KATNB1-1306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KATNB1 MS Standard C13 and N15-labeled recombinant protein (NP_005877) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	72.3 kDa
AA Sequence	MATPVVTKTAWKLQEIVAHASNVSSLVLGKASGRLLATGGDDCRVNLWSINKPNCIM SLTGHTSPVESVRLNTPEELIVAGSQSGSIRVWDLEAAKILRTLMGHKANICSLDFHP YGEFVASGSQDTNIKLWDIRRKGCVFRYRGHSQAVRCLRFSPDGKWLASAADDHT VKLWDLTAGKMMSEFPGHTGPVNVVEFHPNEYLLASGSSDRTIRFWDLEKFQVVSC IEGEPGPVRSVLFNPDGCCLYSGCQDSLRVYGWEPERCFDVVLVNWGKVADLAIC NDQLIGVAFSQSNVSSYVVDLTRVTRTGTVARDPVQDHRPLAQPLPNPSAPLRRIYE RPSTTCSKPQRVKQNSESERRSPSSEDDRDERESRAEIQNAEDYNEIFQPKNSISRT

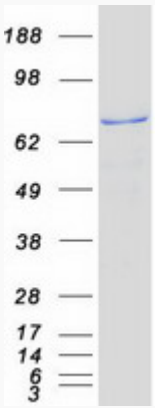
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	PPRRSEPFPAPPEDDAATAKEAAKPSPAMDVQFPVPNLEVLPRPPVVASTPAPKAE PAIIPATRNEPIGLKASDFLPAVKIPQQAELVDEDAMSQIRKGHDTMCVVLTSRHKNL DTVRAVWTMGDIKTSVDSAVAINDLSVVVDLLNIVNQKASLWKLDLCTTVLPQIEKLL QSKYESYVQTGCTSLKLILQRFLPLITDMLAAPPSVGVDISREERLHKCRLCYKQLKSI SGLVKSKSGLSGRHGSTFRELHLLMASLDSGPTRTRPLEQKLISEEDLAANDILDYK DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KATNB1 katanin regulatory subunit B1 [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

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mRNA Refseq	NM_005886
Protein Refseq	NP_005877
MIM	602703
UniProt ID	Q9BVA0
SDS-PAGE	

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