

Recombinant Human KATNAL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KATNAL1-6018H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KATNAL1 MS Standard C13 and N15-labeled recombinant protein (NP_115492) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Regulates microtubule dynamics in Sertoli cells, a process that is essential for spermiogenesis and male fertility. Severs microtubules in an ATP-dependent manner, promoting rapid reorganization of cellular microtubule arrays. Has microtubule-severing activity in vitro.
Molecular Mass	55.4 kDa
AA Sequence	MNLAEICDNAKKGREYALLGNYDSSMVYYQGVMQQIQRHCQSVRDPAIKGKWQQV RQELLEEEYEQVKSIVSTLESFKIDKPPDFPVSCQDEPFRDPAVWPPPVP AEHRAPPQ IRRPNREVRPLRKEMAGVGARGPVGRAHPISKSEKPSTSRDKDYRARGRDDKGRK NMQDGASD GEMPKFDGAGYDKDLVEALERDIVSRNPSIHWDDIADLEEAKKLLREA VVLPMWMPDFFKGI RRPWKGVLMVGPPGTGKTMLAKAVATECGTTFFNVSSSTLT SKYRGESEKLVRLLFEMARFYAPTTIFIDEIDSICSRRGTSDEHEASRRVKSELLIQMD GVGGALEND DPSKMVMVLAATNFPWDIDEALRRRLEKRIYIPLPTAKGRAELLKINLR EVELDPDIQLEDIAEKIEGYSGADITNVCRDASLMAMRRRINGLSPEEIRALSKEELQ MPVTKGDFELALKKIAKSVSAADLEKYEKWMVEFGSATRTRPLEQKLISEEDLAANDI

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	LDYKDDDDKV
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	KATNAL1 katanin p60 subunit A-like 1 [Homo sapiens (human)]
Official Symbol	KATNAL1
Synonyms	KATNAL1; katanin p60 subunit A-like 1; katanin p60 ATPase-containing subunit A-like 1; MGC2599; p60 katanin-like 1;
Gene ID	84056
mRNA Refseq	NM_032116
Protein Refseq	NP_115492
MIM	614764
UniProt ID	Q9BW62

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