

Product datasheet for TP320944L

KATNAL1 (NM_001014380) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human katanin p60 subunit A-like 1 (KATNAL1), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220944 protein sequence Red=Cloning site Green=Tags(s)

MNLAEICDNAKKGREYALLGNYDSSMVMYYQGVMMQIQRHCSVRDPAIKGKWQQVRQELLEEEYEQVKSIV
STLESFKIDKPPDFPVSCQDEPFRDPAVWPPPVAEHRAPPQIRRPNREVRPLRKEMAGVGARGPVGRAH
PISKSEKPTSRDKDYRARGRDDKGRKNMQDGASDGEMPKFDGAGYDKDLVEALERDIVSRNPSIHWDDI
ADLEEAKLLREAVLPMWMPDFFKGIRRPWKGVLMVGGTGTMLAKAVATECGTTFNFVSSSTLTSK
YRGESEKLVRLLFEMARFYAPTTIFIDEIDSICSRGTSDEHEASRRVKSELLIQMDGVGGALEND DPSK
MVMVLAATNFPWDIDEALRRRLEKRIYIPLPTAKGRAELLKINLREVELDPDIQLEDIAEKIEGYSGADI
TNVCRDASLMAMRRRINGLSPEEIRALSKEELQMPVTKGDFELALKKIAKSVSAADLEKYEKWMVEFGSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	55.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001014402](#)

Locus ID: 84056

UniProt ID: [Q9BW62](#), [A0A024RDP8](#), [B3KUK7](#)

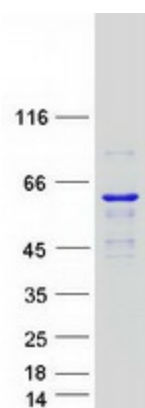
RefSeq Size: 7512

Cytogenetics: 13q12.3

RefSeq ORF: 1470

Summary: 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 (By similarity). Has microtubule-severing activity in vitro (PubMed:26929214).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified KATNAL1 protein (Cat# [TP320944]). The protein was produced from HEK293T cells transfected with KATNAL1 cDNA clone (Cat# [RC220944]) using MegaTran 2.0 (Cat# [TT210002]).