

## Product datasheet for **TP320944M**

### **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, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC220944 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MNLAEICDNAKKGREYALLGNYDSSMVMYYQGVMMQIQRHCSVRDPAIKGKWQQVRQELLEEEYEQVKSIV  
STLESFKIDKPPDFPVSCQDEPFRDPAVWPPPVAEHRAPPQIRRNREVRPLRKEMAGVGARGPVGRAH  
PISKSEKPTSRDKDYRARGRDDKGRKNMQDGASDGEMPKFDGAGYDKDLVEALERDIVSRNPSIHWDDI  
ADLEEAKKLLREAVLPMWMPDFFKGIRRPWKGVLMVGGPTGKTM LAKAVATECGTTFNFVSSSTLTSK  
YRGESEKLVRLLFEMARFYAPTTIFIDEIDSICSRGTSDEHEASRRVKSELLIQMDGVGGALEND DPSK  
MVMVLAATNFPWDIDEALRRRLEKRIYIPLPTAKGRAELLKINLREVELDPDIQLEDIAEKIEGYS GADI  
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](#)

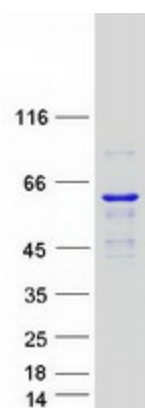
RefSeq Size: 7512

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]).