

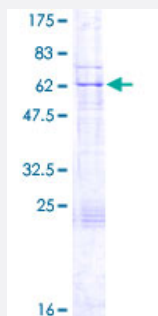
Full-Length

KATNA1 (Human) Recombinant Protein (P01)

Catalog # H00011104-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KATNA1 full-length ORF (AAH50428.1, 1 a.a. - 311 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLLMISENVKLAREYALLGNYDSAMVYYQGVLDMNKYLYSVKDTYLQQKWQQVWQEINVEAK
HVKDIMKTLESFKLDSTPLKAAQHDLPASEGEVWSMPVPVERRPSPGPRKRQSSQYSDPKSHG
NRPSTTVRVHRSSAQNVHNDRGKAVRCREKKEQNKGREEKGVLVVGPPGTGKTLLAKAVATEC
KTTFFNVSSSLTTSKYRGESEKLVRLLFEMARFYSPATIFIDEIDSICSRRTSEEHEASRRVKAELL
VQMDGVGGTSENDDPSKMVMVLAATNFPWDIDEALRRRLEKRYPLPSGMRP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.7

Interspecies Antigen Sequence

Mouse (61); Rat (84)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KATNA1

Entrez GeneID[11104](#)**GeneBank Accession#**[BC050428.1](#)**Protein Accession#**[AAH50428.1](#)**Gene Name**

KATNA1

Gene Alias

-

Gene Description

katanin p60 (ATPase-containing) subunit A 1

Omim ID[606696](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. This gene encodes the p80 subunit. This protein is a member of the AAA family of ATPases. [provided by RefSeq]

Other Designations

OTTHUMP00000017392|katanin p60 subunit A 1

Publication Reference

- [Design, synthesis, antitumor activities and biological studies of novel diaryl substituted fused heterocycles as dual ligands targeting tubulin and katanin.](#)

Gao F, Liang Y, Zhou P, Cheng J, Ding K, Wang Y.

European Journal of Medicinal Chemistry 2019 Sep; 178:177.

Application: Func, Compound