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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

KATNA1 (Human) Recombinant Protein (P01)

Catalog Number: H00011104-P01

Regulation Status: For research use only (RUO)

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

Sequence:

MSLLMISENVKLAREYALLGNYDSAMVYYQGVLDQMN
KYLYSVKDTYLQQKWQQVWQEINVEAKHVKDIMKTLE
SFKLDSTPLKAAQHDLPASEGEVWSMPVPPERPSP
GPRKRQSSQYSDPKSHGNRPSTTVRVHRSSAQNVHN
DRGKAVRCREKKEQNKGREEKGVLVMPGPGTGKTL
AKAVATECKTTFNVSSTLTSKYRGESEKLVRLLFEM
ARFYSPATIFIDEIDSICSRRTSEEHEASRRVKAELLV
QMDGVGGTSENDDPSKMVMVLAATNFPWDIDEALRR
RLEKRIYIPLPSGMRP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 61.7

Interspecies Antigen Sequence: Mouse (61); Rat (84)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 11104

Gene Symbol: KATNA1

Gene Alias: -

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]

References:

1. 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. Eur J Med Chem. 2019 Sep 15;178:177-194. doi: 10.1016/j.ejmech.2019.05.072. Epub 2019 May 31.