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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

TUBA1A (Human) Recombinant Protein (P01)

Catalog Number: H00007846-P01

Regulation Status: For research use only (RUO)

Product Description: Human TUBA1A full-length ORF (AAH06468, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MRECISIHVGQAGVQIGNACWELYCLEHGIQPDGQMP
SDKTIGGGDDSFNTFFSETGAGKHVPRAVFVDLEPTVI
DEVRTGTYRQLFHPEQLITGKEDAANNYARGHYTIGK
EIIDLVLDRIKRLADQCTGLQGFLVFHSGGGTSGSFT
SLLMERLSVDYGGKSKLEFSIYPAPQVSTAVVEPYNSIL
TTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYTNLN
RLIGQIVSSITASLRFDGALNVDLTFEQTNLVPYRIHFP
LATYAPVISAEEKAYHEQLSVAEITNACFEPANQMVKCD
PRHGKYMCCLLYRGDVPKDVNAAIATIKTKRTIQFV
DWCPTGFKVGINYQPPTVPPGGDLAKVQRAVCMLSN
TTAIAEAWARLDHKFDLMYAKRAFWHWYVGEEMEEG
EFSEAREDMAALEKDYEEVGVDSVEGEGEEEGEEY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 75.24

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: 7846

Gene Symbol: TUBA1A

Gene Alias: B-ALPHA-1, FLJ25113, LIS3, TUBA3

Gene Summary: Microtubules of the eukaryotic cytoskeleton perform essential and diverse functions and are composed of a heterodimer of alpha and beta tubulins. The genes encoding these microtubule constituents belong to the tubulin superfamily, which is composed of six distinct families. Genes from the alpha, beta and gamma tubulin families are found in all eukaryotes. The alpha and beta tubulins represent the major components of microtubules, while gamma tubulin plays a critical role in the nucleation of microtubule assembly. There are multiple alpha and beta tubulin genes, which are highly conserved among species. This gene encodes alpha tubulin and is highly similar to mouse and rat Tuba1 gene. Northern blotting studies have shown that the gene expression is predominantly found in morphologically differentiated neurologic cells. This gene is one of three alpha-tubulin genes in a cluster on chromosome 12q. [provided by RefSeq]