

Recombinant Human TUBA1B

Cat. No. TUBA1B-31629TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TUBA1B with a proprietary tag; Predicted MWt 75.72 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	451 amino acids
Description	Tubulin alpha-1B chain is a protein that in humans is encoded by the TUBA1B gene.
Molecular Weight	75.720kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MRECISIHVGQAGVQIGNACWELCYCLEHGIQPDGQMPSDKTIGGGDDSFNTFFSET GAGKHVPRAVFVDLEPTVIDEVRTGTYRQLFHPEQLITGKEDAANNYARGHYTIGKEI IDLVLDRIRKLADQCTGLQGFLVFHSGGGTGSGFTSLLMERLSVDYGGKSKLEFSIY

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PAPQVSTAVVEPYNSILTTHTTLEHSDCAFMDNEAIYDICRRNLDIERPTYTNLSRLI
 SQIVSSITASLRFDGALNVDLAEFQTNLVPYPRIHFLATYAPVISAEEKAYHEQLSVAEI
 TNACFEPANQMVKCDPRHGKYMCCLLYRGDVVPKDVNAAIATIKTKRSIQFVDWC
 PTGFKVGINYQPPTVVPGGDLAKVQRAVCMLSNTTAAIEAWARLDHKFDLMIYAKRA
 FVHWYVGEEMEEGEFSEAREDMAALEKDYEVEVGVDSVEGEGEEEGEEY

Sequence Similarities Belongs to the tubulin family.

GENE INFORMATION

Gene Name TUBA1B tubulin, alpha 1b [Homo sapiens]

Official Symbol TUBA1B

Synonyms TUBA1B; tubulin, alpha 1b; tubulin alpha-1B chain; K ALPHA 1; tubulin; alpha; ubiquitous;

Gene ID 10376

mRNA Refseq NM_006082

Protein Refseq NP_006073

MIM 602530

Uniprot ID P68363

Chromosome Location 12q13.12

Pathway Chaperonin-mediated protein folding, organism-specific biosystem; Cooperation of

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Prefoldin and TriC/CCTin actin and tubulin folding, organism-specific biosystem;
Formation of tubulin folding intermediates by CCT/TriC, organism-specific biosystem;
Gap junction, organism-specific biosystem; Gap junction, conserved biosystem;

Function

GTP binding; GTPase activity; nucleotide binding; protein binding; structural constituent of cytoskeleton;

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