Full-Length

TUBB4B (Human) Recombinant Protein (P01)

Catalog # H00010383-P01 Size 25 ug, 10 ug

Applications

Specification

Product Description	Human TUBB4B full-length ORF (AAH29529, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MREIVHLQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLERINVYYNEATGGKYVPRAVLV DLEPGTMDSVRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKEAESCD CLQGFQLTHSLGGGTGSGMGTLLISKIREEYPDRIMNTFSVVPSPKVSDTVVEPYNATLSVHQLVE NTDETYCIDNEALYDICFRTLKLTTPTYGDLNNLVSATMSGVTTCLRFPGQLNADLRKLAVNMVPFP RLHFFMPGFAPLTSRGSQQYRALTVPELTQQMFDAKNMMAACDPRHGRYLTVAAVFRGRMSMK EVDEQMLNVQNKNSSYFVEWIPNNVKTAVCDIPPRGLKMSATFIGNSTAIQELFKRISEQFTAMFR RKAFLHWYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEEGEFEEEAEEEVA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	74.47
Interspecies Antigen Sequence	Mouse (100); Rat (99)
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 — TUBB4B

Entrez GeneID	10383
GeneBank Accession#	BC029529
Protein Accession#	AAH29529
Gene Name	TUBB4B
Gene Alias	RP13-122B23.2, Beta2, TUBB2, TUBB2C
Gene Description	tubulin, beta 4B class IVb
Omim ID	602660
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	class IVb beta tubulin|class IVb beta-tubulin|tubulin beta-2 chain|tubulin beta-2C chain|tubulin beta-4B chain|tubulin, beta 2C|tubulin, beta, 2

Publication Reference

- p-ANCAs in autoimmune liver disorders recognise human beta-tubulin isotype 5 and cross-react with microbial protein FtsZ.

  Terjung B, Sohne J, Lechtenberg B, Gottwein J, Muennich M, Herzog V, Mahler M, Sauerbruch T, Spengler U.

  Gut 2010 Jun; 59(6):808.

  Application: WB-Tr, Monkey, COS-7 cells

Pathway

- Gap junction
- Pathogenic Escherichia coli infection - EHEC