

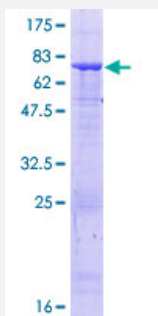
Full-Length

TUBB1 (Human) Recombinant Protein (P01)

Catalog # H00081027-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TUBB1 full-length ORF (NP_110400.1, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MREIVHIQIGCCGNQIGAKFWEMIGEEHGIDLAGSDRGASALQLERISVYYNEAYGRKYVPRAVLVD
LEPGTMDSIRSSKLGALFQPDSEFVHGNSGAGNNWAKGHYTEGAELIENVLEVVRHESESCDCLQ
GFQVHSLGGGTGSGMGTLTMNKIREEPDRIMNSFSVMPSPKVS DTVVEPYNAVLSIHQLIENAD
ACFCIDNEALYDICFRTLKLTPTYGDLNHLVSLTMSGITSLRFPGQLNADLRKLAVNMVFPRLH
FFMPGFAPLTAQGSQQYRALSVAELTQQMF DARNTMAACDLRRGRYLTVACIFRGKMSTKEVDQ
QLLSVQTRNSSCFVEWIPNNVKVAVCDIPPRGLSMAATFIGNNTAIQEIFNRVSEHFSAMFKRKAF
VHWYTSEGMDINEFGAEENNIHDLVSEYQQFQDAKAVLEEDVEETEEAEMEPEDKGH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.7

Interspecies Antigen Sequence

Mouse (91); Rat (91)

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 — TUBB1

Entrez GeneID [81027](#)

GeneBank Accession# [NM_030773.2](#)

Protein Accession# [NP_110400.1](#)

Gene Name TUBB1

Gene Alias dJ543J19.4

Gene Description tubulin, beta 1

Gene Ontology [Hyperlink](#)

Gene Summary Microtubules are involved in a wide variety of cellular processes, including mitosis, morphogenesis, platelet formation, and mobility of cilia and flagella. Circulating platelets carry a single marginal microtubule coil that is wound in 8 to 12 turns and is responsible for platelet shape. TUBB1 is the major beta-tubulin expressed in platelets and megakaryocytes and is required for optimal platelet assembly (Wang et al., 1986 [PubMed 3782288]; Schulze et al., 2004 [PubMed 15315966]).[supplied by OMIM]

Other Designations OTTHUMP00000031411|beta tubulin 1, class VI

Pathway

- [Gap junction](#)
- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Cardiovascular Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hemorrhagic Disorders](#)
- [Myocardial Infarction](#)
- [Thrombocytopenia](#)
- [Thrombosis](#)