Recombinant Human TUBB protein, His & T7-tagged

Cat. No. TUBB-1899H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TUBB aa. (Val170~Val419 (Accession # P07437)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val170~Val419
Description	This gene encodes a beta tubulin protein. This protein forms a dimer with alpha tubulin and acts as a structural component of microtubules. Mutations in this gene cause cortical dysplasia, complex, with other brain malformations 6. Alternative splicing results in multiple splice variants. There are multiple pseudogenes for this gene on chromosomes 1, 6, 7, 8, 9, and 13.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.2kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.

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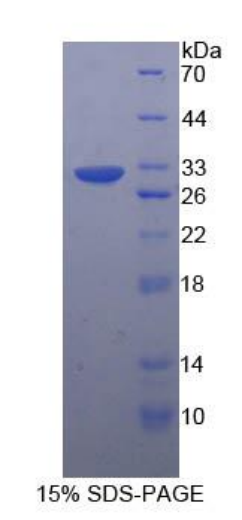
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	TUBB tubulin beta class I [Homo sapiens (human)]
Official Symbol	TUBB
Synonyms	KLK13; kallikrein related peptidase 13; KLKL4; KLK-L4; kallikrein-13; kallikrein-like gene 4; kallikrein-like protein 4
Gene ID	203068
mRNA Refseq	NM_001293212.1
Protein Refseq	NP_001280141.1

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UniProt ID	P07437



SDS-PAGE

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