

Recombinant Human TUBB1 protein, His & T7-tagged

Cat. No. TUBB1-1303H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TUBB1 aa. (Ser166~His451 (Accession # Q9H4B7) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser166~His451
Description	This gene encodes a member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is specifically expressed in platelets and megakaryocytes and may be involved in proplatelet production and platelet release. A mutations in this gene is associated with autosomal dominant macrothrombocytopenia. Two pseudogenes of this gene are found on chromosome Y.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.1kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.6.
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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TUBB1 tubulin beta 1 class VI [Homo sapiens (human)]
Official Symbol	TUBB1
Synonyms	TUBB1; tubulin beta 1 class VI; tubulin beta-1 chain; tubulin, beta 1
Gene ID	81027
mRNA Refseq	NM_030773.3
Protein Refseq	NP_110400.1

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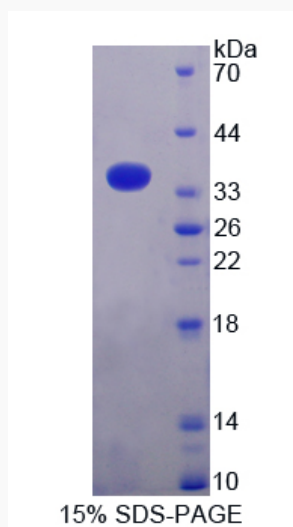
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UniProt ID

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SDS-PAGE

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