

Recombinant Human TUBA1B 293 Cell Lysate

Cat. No. TUBA1B-661HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for tubulin, alpha 1b (TUBA1B) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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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; alpha tubulin; tubulin K-alpha-1; alpha-tubulin ubiquitous; tubulin, alpha, ubiquitous; tubulin alpha-ubiquitous chain; K-ALPHA-1;

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 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; Metabolism of proteins, organism-specific biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem;

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