

Recombinant Human TUBA1A 293 Cell Lysate

Cat. No. TUBA1A-662HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for tubulin, alpha 1a (TUBA1A) 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	TUBA1A tubulin, alpha 1a [Homo sapiens]
Official Symbol	TUBA1A
Synonyms	TUBA1A; tubulin, alpha 1a; tubulin alpha-1A chain; B ALPHA 1; FLJ25113; TUBA3; tubulin; alpha; brain specific; hum-a-tub1; hum-a-tub2; alpha-tubulin 3; tubulin, alpha 3; tubulin B-alpha-1; tubulin alpha-3 chain; tubulin, alpha, brain-specific; LIS3; B-ALPHA-1;
Gene ID	7846
mRNA Refseq	NM_006009
Protein Refseq	NP_006000
MIM	602529
UniProt ID	Q71U36
Chromosome Location	12q13.12
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; 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; G2/M Transition, organism-specific biosystem;

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