

Recombinant Human TUBA3C 293 Cell Lysate

Cat. No. TUBA3C-659HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for tubulin, alpha 3c (TUBA3C), transcript variant 2 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.

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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.

GENE INFORMATION
Gene Name

TUBA3C tubulin, alpha 3c [Homo sapiens]

Official Symbol

TUBA3C

Synonyms

TUBA3C; tubulin, alpha 3c; TUBA2, tubulin, alpha 2; tubulin alpha-3C/D chain; bA408E5.3; alpha-tubulin 2; tubulin, alpha 2; alpha-tubulin 3C/D; tubulin alpha-2 chain; TUBA2; TUBA3D;

Gene ID

7278

mRNA Refseq

NM_006001

Protein Refseq

NP_005992

MIM

602528

UniProt ID

Q13748

**Chromosome
Location**

13q12.11

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;

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

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