

Recombinant Human BUB1B 293 Cell Lysate

Cat. No. BUB1B-8382HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for budding uninhibited by benzimidazoles 1 homolog beta (yeast) (BUB1B) 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 BUB1B budding uninhibited by benzimidazoles 1 homolog beta (yeast) [Homo sapiens]

Official Symbol BUB1B

Synonyms BUB1B; budding uninhibited; budding uninhibited by benzimidazoles 1 (yeast homolog), beta; mitotic checkpoint serine/threonine-protein kinase BUB1 beta; Bub1A; BUBR1; MAD3L; SSK1; mitotic checkpoint kinase MAD3L; MAD3/BUB1-related protein kinase; hBUBR1; BUB1beta;

Gene ID 701

mRNA Refseq NM_001211

Protein Refseq NP_001202

MIM 602860

UniProt ID O60566

Chromosome Location 15q15

Pathway APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem;

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Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem;

Function

ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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