

Recombinant Human RBX1 293 Cell Lysate

Cat. No. RBX1-2450HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ring-box 1 (RBX1) 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	RBX1 ring-box 1, E3 ubiquitin protein ligase [Homo sapiens]
Official Symbol	RBX1
Synonyms	RBX1; ring-box 1, E3 ubiquitin protein ligase; ring box 1; E3 ubiquitin-protein ligase RBX1; BA554C12.1; regulator of cullins 1; RNF75; ROC1; ZYP protein; RING box protein 1; RING-box protein 1; RING finger protein 75; MGC1481; FLJ60363; MGC13357;
Gene ID	9978
mRNA Refseq	NM_014248
Protein Refseq	NP_055063
MIM	603814
UniProt ID	P62877
Chromosome Location	22q13.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem;
Function	NEDD8 ligase activity; ligase activity; metal ion binding; protein binding;

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contributes_to ubiquitin-protein ligase activity; zinc ion binding;

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