

Recombinant Human RBX1 293 Cell Lysate

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

SPECIFICATION

Product Overview

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

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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	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

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biosystem;

Function

NEDD8 ligase activity; ligase activity; metal ion binding; protein binding;
contributes_to ubiquitin-protein ligase activity; zinc ion binding;

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