

Recombinant Human RPP40 293 Cell Lysate

Cat. No. RPP40-2178HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ribonuclease P/MRP 40kDa subunit (RPP40) 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

RPP40 ribonuclease P/MRP 40kDa subunit [Homo sapiens]

Official Symbol

RPP40

Synonyms

RPP40; ribonuclease P/MRP 40kDa subunit; ribonuclease P 40kDa subunit , ribonuclease P1 , RNASEP1; ribonuclease P protein subunit p40; bA428J1.3; ribonuclease P1; RNase P subunit 1; RNaseP protein p40; ribonuclease P (40 kD); ribonuclease P 40kDa subunit; ribonuclease P, 40kD subunit; RNASEP1;

Gene ID

10799

mRNA Refseq

NM_006638

Protein Refseq

NP_006629

MIM

606117

UniProt ID

O75818

Chromosome Location

6p25.1

Pathway

RNA transport, organism-specific biosystem; RNA transport, conserved biosystem; Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;

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Function

hydrolase activity; ribonuclease P activity;

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