

Recombinant Human RPP14 293 Cell Lysate

Cat. No. RPP14-2181HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ribonuclease P/MRP 14kDa subunit (RPP14), 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

RPP14 ribonuclease P/MRP 14kDa subunit [Homo sapiens]

Official Symbol

RPP14

Synonyms

RPP14; ribonuclease P/MRP 14kDa subunit; ribonuclease P 14kDa subunit; ribonuclease P protein subunit p14; P14; ribonuclease P (14kD); FLJ31508;

Gene ID

11102

mRNA Refseq

NM_001098783

Protein Refseq

NP_001092253

MIM

606112

UniProt ID

O95059

Chromosome Location

3p21.2

Pathway

RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;

Function

RNA binding; hydrolase activity; ribonuclease P activity; ribonuclease activity;

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