

Recombinant Human RPP21 293 Cell Lysate

Cat. No. RPP21-2180HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ribonuclease P/MRP 21kDa subunit (RPP21) 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

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	RPP21 ribonuclease P/MRP 21kDa subunit [Homo sapiens]
Official Symbol	RPP21
Synonyms	RPP21; ribonuclease P/MRP 21kDa subunit; C6orf135, chromosome 6 open reading frame 135 , ribonuclease P 21kDa subunit; ribonuclease P protein subunit p21; Em:AB014085.3; FLJ22638; RNaseP protein p21; ribonucleoprotein V; CAT60; C6orf135;
Gene ID	79897
mRNA Refseq	NM_001199120
Protein Refseq	NP_001186049
MIM	612524
UniProt ID	Q9H633
Chromosome Location	6p21.32
Pathway	RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	hydrolase activity; ribonuclease P activity;

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