

Recombinant Human MRPS5 293 Cell Lysate

Cat. No. MRPS5-4133HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description Antigen standard for mitochondrial ribosomal protein S5 (MRPS5), nuclear gene encoding mitochondrial protein 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	MRPS5 mitochondrial ribosomal protein S5 [Homo sapiens]
Official Symbol	MRPS5
Synonyms	MRPS5; mitochondrial ribosomal protein S5; 28S ribosomal protein S5, mitochondrial; mitochondrial 28S ribosomal protein S5; MRP S5; S5mt; MRP-S5;
Gene ID	64969
mRNA Refseq	NM_031902
Protein Refseq	NP_114108
MIM	611972
UniProt ID	P82675
Chromosome Location	2p11.2-q11.2
Function	RNA binding; structural constituent of ribosome;

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