

Recombinant Human MRPL46 293 Cell Lysate

Cat. No. MRPL46-4163HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitochondrial ribosomal protein L46 (MRPL46), 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

MRPL46 mitochondrial ribosomal protein L46 [Homo sapiens]

Official Symbol

MRPL46

Synonyms

MRPL46; mitochondrial ribosomal protein L46; C15orf4, chromosome 15 open reading frame 4; 39S ribosomal protein L46, mitochondrial; LIECG2; P2ECSL; L46mt; MRP-L46; C15orf4; MGC22762;

Gene ID

26589

mRNA Refseq

NM_022163

Protein Refseq

NP_071446

MIM

611851

UniProt ID

Q9H2W6

**Chromosome
Location**

15q25.3

Function

hydrolase activity; molecular_function;

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