

Recombinant Human ROBLD3 293 Cell Lysate

Cat. No. LAMTOR2-2257HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for roadblock domain containing 3 (ROBLD3), transcript variant 1 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

LAMTOR2 late endosomal/lysosomal adaptor, MAPK and MTOR activator 2 [Homo sapiens]

Official Symbol

LAMTOR2

Synonyms

p14; ENDAP; ROBLD3; HSPC003; MAPBPIP; MAPKSP1AP; Ragulator2; ragulator complex protein LAMTOR2; MAPKSP1 adaptor protein; MAPBP-interacting protein; endosomal adaptor protein p14; roadblock domain containing 3; roadblock domain-containing protein 3; late endosomal/lysosomal Mp1-interacting protein; late endosomal/lysosomal adaptor and MAPK and MTOR activator 2; mitogen-activated protein-binding protein-interacting protein (MAPBPIP)

Gene ID

28956

mRNA Refseq

NM_014017

Protein Refseq

NP_054736

MIM

610389

UniProt ID

Q9Y2Q5

**Chromosome
Location**

1q22

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Function

contributes_to guanyl-nucleotide exchange factor activity; protein binding;
contributes_to protein complex scaffold

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