

Recombinant Human MAPKSP1 293 Cell Lysate

Cat. No. LAMTOR3-4482HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for MAPK scaffold protein 1 (MAPKSP1), 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

LAMTOR3 late endosomal/lysosomal adaptor, MAPK and MTOR activator 3 [Homo sapiens]

Official Symbol

LAMTOR3

Synonyms

MP1; MAPBP; MAPKSP1; PRO0633; MAP2K1IP1; Ragulator3; ragulator complex protein LAMTOR3; MEK binding partner 1; MAPK scaffold protein 1; mitogen-activated protein kinase scaffold protein 1; late endosomal/lysosomal adaptor and MAPK and MTOR activator 3; mitogen-activated protein kinase kinase 1 interacting protein 1

Gene ID

8649

mRNA Refseq

NM_021970

Protein Refseq

NP_068805

MIM

603296

UniProt ID

Q9UHA4

Chromosome Location

4q23

Pathway

MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway,

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conserved biosystem

Function

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

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