

Recombinant Human MARK1 293 Cell Lysate

Cat. No. MARK1-4465HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for MAP/microtubule affinity-regulating kinase 1 (MARK1) 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

MARK1 MAP/microtubule affinity-regulating kinase 1 [Homo sapiens]

Official Symbol

MARK1

Synonyms

MARK1; MAP/microtubule affinity-regulating kinase 1; serine/threonine-protein kinase MARK1; MARK; PAR1 homolog c; Par1c; Par-1c; KIAA1477; MGC126512; MGC126513;

Gene ID

4139

mRNA Refseq

NM_018650

Protein Refseq

NP_061120

MIM

606511

UniProt ID

Q9P0L2

Chromosome Location

1q41

Function

ATP binding; lipid binding; magnesium ion binding; nucleotide binding; phosphatidic acid binding; phosphatidylinositol-4,5-bisphosphate binding; phosphatidylserine binding; protein serine/threonine kinase activity; tau-protein kinase activity;

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