

Recombinant Human MARK4 293 Cell Lysate

Cat. No. MARK4-4464HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for MAP/microtubule affinity-regulating kinase 4 (MARK4) 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

MARK4 MAP/microtubule affinity-regulating kinase 4 [Homo sapiens]

Official Symbol

MARK4

Synonyms

MARK4; MAP/microtubule affinity-regulating kinase 4; MAP/microtubule affinity regulating kinase like 1 , MARKL1; FLJ90097; KIAA1860; Nbla00650; MARK4 serine/threonine protein kinase; MAP/microtubule affinity-regulating kinase like 1; MARK4L; MARK4S; MARKL1; MARKL1L; FLJ12177;

Gene ID

57787

mRNA Refseq

NM_001199867

Protein Refseq

NP_001186796

MIM

606495

UniProt ID

Q96L34

Chromosome Location

19q13.2

Pathway

LKB1 signaling events, organism-specific biosystem;

Function

ATP binding; ATP binding; gamma-tubulin binding; microtubule binding; nucleotide

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binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; tau-protein kinase activity; transferase activity, transferring phosphorus-containing groups; ubiquitin binding;

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