

Recombinant Human MAP2K5 293 Cell Lysate

Cat. No. MAP2K5-4509HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mitogen-activated protein kinase kinase 5 (MAP2K5), transcript variant A 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

MAP2K5 mitogen-activated protein kinase kinase 5 [Homo sapiens]

Official Symbol

MAP2K5

Synonyms

MAP2K5; mitogen-activated protein kinase kinase 5; PRKMK5; dual specificity mitogen-activated protein kinase kinase 5; HsT17454; MAPKK5; MEK5; MEK 5; MAPKK 5; MAPK/ERK kinase 5; MAP kinase kinase 5; MAP kinase kinase MEK5b;

Gene ID

5607

mRNA Refseq

NM_001206804

Protein Refseq

NP_001193733

MIM

602520

UniProt ID

Q13163

**Chromosome
Location**

15q22.31

Pathway

EGFR1 Signaling Pathway, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Insulin Signaling, organism-specific biosystem; Integrin-mediated cell adhesion,

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organism-specific biosystem;

Function

ATP binding; MAP kinase activity; metal ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activity;

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