

Recombinant Human MAP2K5 293 Cell Lysate

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

SPECIFICATION

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.
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

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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, organism-specific biosystem;

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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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