

Recombinant Human MAPK11 293 Cell Lysate

Cat. No. MAPK11-4496HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for mitogen-activated protein kinase 11 (MAPK11) 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	MAPK11 mitogen-activated protein kinase 11 [Homo sapiens]
Official Symbol	MAPK11
Synonyms	MAPK11; mitogen-activated protein kinase 11; PRKM11; p38 2; p38Beta; SAPK2; MAPK 11; MAP kinase 11; MAP kinase p38 beta; stress-activated protein kinase 2; stress-activated protein kinase-2; stress-activated protein kinase 2b; stress-activated protein kinase-2b; mitogen-activated protein kinase p38-2; mitogen-activated protein kinase p38 beta; P38B; p38-2; SAPK2B; P38BETA2;
Gene ID	5600
mRNA Refseq	NM_002751
Protein Refseq	NP_002742
MIM	602898
UniProt ID	Q15759
Chromosome Location	22q13.33
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the AP-1 family of transcription factors, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;

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CD40/CD40L signaling, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem;

Function

ATP binding; MAP kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity;

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