

Recombinant Human MAPK11 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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factors, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; 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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