

Recombinant Human MAP2K6 cell lysate

Cat. No. MAP2K6-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MAP2K6 / MKK6 / MEK6 derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.
GENE INFORMATION	
Gene Name	MAP2K6 mitogen-activated protein kinase kinase 6 [Homo sapiens]
Official Symbol	MAP2K6
Synonyms	MAP2K6; mitogen-activated protein kinase kinase 6; PRKMK6; dual specificity mitogen-activated protein kinase kinase 6; MAPKK6; MEK6; MKK6; protein kinase; mitogen activated; kinase 6 (MAP kinase kinase 6); SAPKK3; MEK 6; MAPKK 6; SAPK kinase 3; MAPK/ERK kinase 6; stress-activated protein kinase kinase 3; protein kinase, mitogen-activated, kinase 6 (MAP kinase kinase 6); SAPKK-3;
Gene ID	5608
mRNA Refseq	NM_002758
Protein Refseq	NP_002749
MIM	601254

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UniProt ID	P52564
Chromosome Location	17q
Pathway	Activated TLR4 signalling, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; CDC42 signaling events, organism-specific biosystem; CDO in myogenesis, organism-specific biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Cellular roles of Anthrax toxin, organism-specific biosystem;
Function	ATP binding; MAP kinase kinase activity; nucleotide binding; protein kinase binding; protein serine/threonine kinase activity; protein tyrosine kinase activity;