

Recombinant Human MAP3K8 cell lysate

Cat. No. MAP3K8-629HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MAP3K8 / TPL-2 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 SDS-PAGE for Western blot application. If dissociating conditions are required, add

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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

MAP3K8 mitogen-activated protein kinase kinase kinase 8 [Homo sapiens]

Official Symbol

MAP3K8

Synonyms

MAP3K8; mitogen-activated protein kinase kinase kinase 8; COT, ESTF; c COT; EST; MEKK8; Tpl 2; proto-oncogene c-Cot; tumor progression locus 2; Ewing sarcoma transformant; cot (cancer Osaka thyroid) oncogene; proto-oncogene serine/threonine protein kinase; COT; ESTF; TPL2; Tpl-2; c-COT; FLJ10486;

Gene ID

1326

mRNA Refseq

NM_001244134

Protein Refseq

NP_001231063

MIM

191195

UniProt ID

P41279

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Chromosome Location	10p11.2
Pathway	Adaptive Immune System, organism-specific biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Insulin Signaling, organism-specific biosystem;
Function	ATP binding; MAP kinase kinase kinase activity; magnesium ion binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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