

AR51762PU-S

Human MAP2K6 (53-314, His-tag) - Purified

Alternate names:

Dual specificity mitogen-activated protein kinase kinase 6, MAP kinase kinase 6, MAPK/ERK kinase 6, MAPKK 6, MEK6, MKK6, SAPKK3

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

MAP2K6 is a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, MAP2K6 is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis.

Uniprot ID:

[P52564](#)

NCBI:

[NP_002749](#)

GenelD:

[5608](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.

Description:

Recombinant human MAP2K6, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MLEPIMELGR GAYGVVEKMR HVPSGQIMAV KRIRATVNSQ
EQKRLMDLD ISMRTVDCPF TVTFYGALFR EGDVWICMEL MDTSLDKFYK QVIDKGQTIP
EDILGKIAVS IVKALEHLHS KLSVIHRDVK PSNVLINALG QVKMCDFGIS GYLVDVAKE
IDAGCKPYMA PERINPELNQ KGYSVKSDIW SLGITMIELA ILRFPYDSWG TPFQQLKQVV
EEPSPQLPAD KFSAEFVDFT SQCLKKNSKE RPTYPELMQH PFF

Molecular weight: 32.0 kDa (383aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Manning G., et al. (2002) Science 298 (5600): 1912–34 Pearson G., et al. (2002)

Endocr. Rev. 22 (2): 153–83

Pictures:

