

Recombinant human MKK6 protein

Catalog Number: ATGP2942

PRODUCT INFORMATION

Expression system

E.coli

Domain

53-314aa

UniProt No.

P52564

NCBI Accession No.

NP_002749

Alternative Names

Mitogen-activated protein kinase kinase 6, Mitogen-activated protein kinase kinase 6, MEK6, MKK6, MAPKK6, PRKMK6, SAPKK3

PRODUCT SPECIFICATION

Molecular Weight

32.0 kDa (383aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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

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cell cycle arrest, transcription activation and apoptosis. Recombinant human MAP2K6, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MLEPIMELGR GAYGVVEKMR HVP SGQIMAV KRIRATVNSQ EQKRLLMDLD
ISMRTVDCPF TVTFYGALFR EGDVWICMEL MDTSLDKFYK QVIDKGQTIP EDILGKIAVS IVKALEHLHS KLSVIHRDVK
PSNVLINALG QVKMCDFGIS GYLVEVAKE IDAGCKPYMA PERINPELNQ KGYSVKSDIW SLGITMIELA ILRFPYDSWG
TPFQQLKQVV EEPSPQLPAD KFSAEFVDFT SQCLKKNSKE RPTYPELMQH PFF

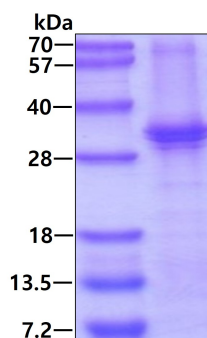
General References

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

Pearson G., et al. (2002) Endocr. Rev. 22 (2): 153-83

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.