

# Recombinant human p38 delta/MAPK13 protein

Catalog Number: ATGP1285

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-365aa

### UniProt No.

O15264

### NCBI Accession No.

NP\_002745.1

### Alternative Names

Mitogen-activated protein kinase 13, MGC99536, p38delta, PRKM13, SAPK4

## PRODUCT SPECIFICATION

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### Molecular Weight

44.2 kDa (385aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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

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### Description

MAPK13, also known as mitogen-activated protein kinase 13, is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. It is a related protein that is phosphorylated by MKK6 in response to cytokines and cellular stresses. Recombinant human MAPK13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH> MSLIRKKGFY KQDVNKTAW E LPKTYVSPH VGSGAYGSVC SAIDKRSGEK  
VAIKKLSRPF QSEIFAKRAY RELLLLKHMV HENVIGLLDV FTPASSLRNF YDFYLVMPFM QTDLQKIMG M EFSEEKIQYL  
VYQMLKGLKY IHSAGVVHRD LKPGNLAVNE DCELKILDFG LARHADAEMT GYVVTRWYRA PEVILSWMHY NQTVDIWSVG  
CIMAEMLTGK TLFKGGDYLD QLTQILKVTG VPGTEFVQKL NDKAAKSYIQ SLPQTPRKDF TQLFPRASPQ AADLLEKMLE  
LDVVKRLTAA QALTHPFFEP FRDPEEETEA QQPFDDSL EHKLVDEWKQ HIYKEIVNFS PIARKDSRRR SGMKL

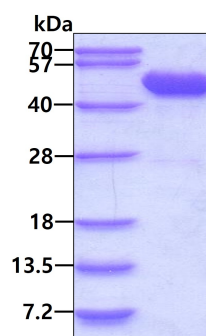
## General References

Nishida E. et al. (1993) Trends Biochem. Sci. 18: 128-131.

Wang X.S. et al. (1997) J. Biol. Chem. 272: 23668-23674.

## DATA

### SDS-PAGE



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