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# Recombinant human MP1/LAMTOR3 protein

Catalog Number: ATGP0805

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-124aa

#### UniProt No.

O9UHA4

#### **NCBI Accession No.**

NP 068805

#### **Alternative Names**

Mitogen-activated protein kinase scaffold protein 1, MAP2K1IP1, MAPBP, MP1

### PRODUCT SPECIFICATION

#### **Molecular Weight**

15.8 kDa (144aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5mM DTT, 100mM NaCl

#### **Purity**

> 95% 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**

#### **Description**

MAPKSP1 (Mitogen-activated protein kinase scaffold protein 1) is a scaffold protein that functions in the extracellular signal-regulated kinase (ERK) cascade. The protein is localized to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2. Recombinant human MAPKSP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

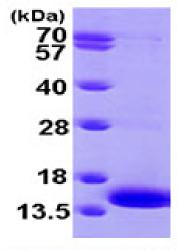
MGSSHHHHHH SSGLVPRGSH MADDLKRFLY KKLPSVEGLH AIVVSDRDGV PVIKVANDNA PEHALRPGFL STFALATDQG SKLGLSKNKS IICYYNTYQV VQFNRLPLVV SFIASSSANT GLIVSLEKEL APLFEELRQV VEVS

#### **General References**

Wunderlich, et al. (2001) J. Cell Biol. (united States) 152 (4): 765-76. Schaeffer HJ, et al. (1998) Science 281 (5383): 1668-71.

# **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

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

