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## MAPKSP1 Protein (His tag)



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Quantity:	50 μg
Target:	MAPKSP1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAPKSP1 protein is labelled with His tag.

### **Product Details**

Purpose:	Recombinant Human LAMTOR3/MP1 Protein (His Tag)
Sequence:	Met 1-Val124
Characteristics:	Recombinant Human Mitogen-Activated Protein Kinase Scaffold Protein 1 is produced by our E.coli expression system and the target gene encoding Met1-Val124 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	$<$ 1.0 EU per $\mu g$ as determined by the LAL method.

### **Target Details**

Target:	MAPKSP1
Alternative Name:	LAMTOR3/MP1 (MAPKSP1 Products)
Background:	Background: Mitogen-Activated Protein Kinase Scaffold Protein 1 (MAPKSP1) was identified as
	an interacting protein that belongs to the LAMTOR3 family. MAPKSP1 restricted 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. MAPKSP1 interacts with MAP2K1/MEK1 and MAPK2 and enhances the activation of MAPK2, and thus is thought to function as an adaptor to enhance the efficiency of the MAP kinase cascade.

Synonym: Ragulator Complex Protein LAMTOR3, Late Endosomal/Lysosomal Adaptor and MAPK and MTOR Activator 3, MEK-Binding Partner 1, Mp1, Mitogen-Activated Protein Kinase Kinase 1-Interacting Protein 1, Mitogen-Activated Protein Kinase Scaffold Protein 1, LAMTOR3, MAP2K1IP1, MAPKSP1

Molecular Weight: 15.8 kDa

UniProt: Q9UHA4

Pathways: PI3K-Akt Signaling

#### **Application Details**

Restrictions: For Research Use only

### Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 $\mu$ m filtered solution of 20 mM TrisHCl, 100 mM NaCl, 5 mM DTT, 30 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.