

Recombinant Human LAMTOR3/MP1 Protein (His Tag)

Catalog Number:PKSH032742

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by Elabscience

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms

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

Species

Human

Expression Host

E.coli

Sequence

Met 1-Val124

Accession

Q9UHA4

Calculated Molecular Weight

15.8 kDa

Observed molecular weight

15 kDa

Tag

N-His

Properties

Purity

> 95 % as determined by reducing SDS-PAGE.

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method.

Storage

Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping

This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

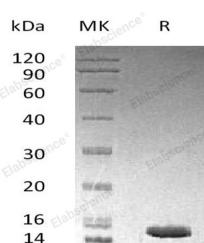
Formulation

Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 5mM DTT, 30% Glycerol, pH 8.0.

Reconstitution

Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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