



Recombinant Protein Technical Manual

Recombinant Human LAMTOR3/MP1 Protein (His Tag)

RPES4401

Product Data:

Product SKU: RPES4401

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9UHA4

Protein Information:

Molecular Mass: 15.8 kDa

AP Molecular Mass: 15 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 TrisHCl, 100mM NaCl, 5mM DTT, 30% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Val124

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.