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Datasheet for ABIN1097179

PITRM1 Protein (AA 1-124) (His tag)

Overview

Quantity:	50 µg
Target:	PITRM1
Protein Characteristics:	AA 1-124
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PITRM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human MEK-Binding Protein 1/MP1/MAPKSP1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MADDLKRFLY KKLPSVEGLH AIVVSDRDGV PVIKVANDNA PEHALRPGFL STFALATDQG SKLGLSKNKS IICYYNTYQV VQFNRLPLVV SFIASSSANT GLIVSLEKEL APLFEELRQV VEVS
Characteristics:	Recombinant Human Mitogen-Activated Protein Kinase Scaffold Protein 1/MAPKSP1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Val124) of Human LAMTOR3 fused with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PITRM1
Alternative Name:	MP1 (PITRM1 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Regulator 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, M</p>
Molecular Weight:	15.78 kDa
UniProt:	Q9UHA4
Pathways:	PI3K-Akt Signaling , SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 5 mM DTT, 30 % Glycerol, pH 8.0.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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Storage:	-80 °C
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Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
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Expiry Date:	6 months
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