

Recombinant Human Late Endosomal/Lysosomal Adaptor And MAPK And MTOR Activator 3, His-tagged

Cat. No. LAMTOR3-5066H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LAMTOR3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	LAMTOR3 (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.
Form	Supplied as aliquid in 20 mM Tris-HCl buffer, pH 8.0, containing 20% glycerol, 5 mM DTT and 100 mM NaCl.
Purity	> 95% by SDS-PAGE
Concentration	0.5 mg/ml
Sequence	1-124 amino acids: MGSSHHHHHH SSGLVPRGSH MADDLKRFLY KKLPSVEGLH AIVVSDRDGV PVIKVANDNA PEHALRPGFLSTFALATDQG SKLGLSKNKS IICYYNTYQV VQFNRLPLVV SFIASSANT GLIVSLEKEL APLFEELRQVVEVS

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Molecular Mass	15.8 kDa(144aa) confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg Cfor short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 degC for long term storage. Avoid repeated freeze/thaw cycles.
OfficialSymbol	LAMTOR3
GENE INFORMATION	
Gene Name	LAMTOR3 late endosomal/lysosomaladaptor, MAPK and MTOR activator 3 [Homo sapiens]
Synonyms	LAMTOR3; lateendosomal/lysosomal adaptor and MAPK and MTOR activator 3; MP1; MAPBP;MAPKSP1; MAP2K1IP1; Regulator3; ragulator complex protein LAMTOR3; PRO0633;MEK partner 1; OTTHUMP00000161681; OTTHUMP00000219461; MEK binding partner 1;MEK-binding partner 1; MAPK scaffold protein 1; mitogen-activated proteinkinase scaffold protein 1; mitogen-activated protein kinase kinase 1interacting protein 1; mitogen-activated protein kinase kinase 1-interactingprotein 1
Gene ID	8649
mRNA Refseq	NM_021970
Protein Refseq	NP_068805
MIM	603296
UniProt ID	Q9UHA4

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Chromosome Location	4q24-q26
Pathway	MAPK signalingpathway