

Recombinant Human LAMTOR3 Protein, His-tagged

Cat. No. LAMTOR3-523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAMTOR3(Met1-Val124), transcript variant 1, fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-124 a.a.
Description	This gene encodes 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. Studies of the orthologous gene in mouse indicate that it regulates late endosomal traffic and cell proliferation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 13.
Form	20mM Tris-HCl, 100mM NaCl, 5mM DTT, 30% Glycerol, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	15.8 kDa
Endotoxin	< 0.1 EU per g protein as determined by LAL test

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
GENE INFORMATION	
Gene Name	LAMTOR3 late endosomal/lysosomal adaptor, MAPK and MTOR activator 3 [Homo sapiens]
Official Symbol	LAMTOR3
Synonyms	LAMTOR3; late endosomal/lysosomal adaptor, MAPK and MTOR activator 3; MAP2K1IP1, MAPK scaffold protein 1 , MAPKSP1, mitogen activated protein kinase kinase 1 interacting protein 1; regulator complex protein LAMTOR3; MAPBP; MEK partner 1; MP1; Ragulator3; MEK binding partner 1; MAPK scaffold protein 1; mitogen-activated protein kinase scaffold protein 1; late endosomal/lysosomal adaptor and MAPK and MTOR activator 3; mitogen-activated protein kinase kinase 1 interacting protein 1; MAPKSP1; PRO0633; MAP2K1IP1;
Gene ID	8649
mRNA Refseq	NM_001243736
Protein Refseq	NP_001230665
MIM	603296
UniProt ID	Q9UHA4