

Recombinant Human LAMTOR3 Protein (Met1-Ser124), His tagged

Cat. No. LAMTOR3-5231H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LAMTOR3 (Met1-Ser124) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Ser124
Description	As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. Adapter protein that enhances the efficiency of the MAP kinase cascade facilitating the activation of MAPK2.
Form	Lyophilized powder/frozen liquid
Molecular Mass	15.14 kDa
Purity	>90% as determined by SDS-PAGE.

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	LAMTOR3 late endosomal/lysosomal adaptor, MAPK and MTOR activator 3 [Homo sapiens (human)]
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; ragulator 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

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Protein Refseq	NP_001230665
MIM	603296
UniProt ID	Q9UHA4

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