

Recombinant Human late endosomal/lysosomal adaptor, MAPK and MTOR activator 2, His-tagged

Cat. No. LAMTOR2-552H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LAMTOR2, 1-125aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-125 a.a.
Description	LAMTOR2 is highly conserved with a mouse protein associated with the cytoplasmic face of late endosomes and lysosomes. The mouse protein interacts with MAPK scaffold protein 1, a component of the mitogen-activated protein kinase pathway. In humans, a mutation in this gene has been associated with a primary immunodeficiency syndrome, and suggests a role for this protein in endosomal biogenesis. Recombinant human LAMTOR2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	15.9 kDa (148aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMLRPKAL TQVLSQANTG GVQSTLLLNN EGSLLAYSGY GDTDARVTAA IASNIWAAYD RNGNQAFNED NLKFILMDCM

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EGRVAITRVA NLLLCMYAKE TVGFGMLKAK AQALVQYLEE PLTQVAAS

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name LAMTOR2 late endosomal/lysosomal adaptor, MAPK and MTOR activator 2 [Homo sapiens]

Official Symbol LAMTOR2

Synonyms LAMTOR2; late endosomal/lysosomal adaptor, MAPK and MTOR activator 2; roadblock domain containing 3 , ROBLD3; ragulator complex protein LAMTOR2; ENDAP; endosomal adaptor protein; MAPBPIP; MAPKSP1 adaptor protein; MAPKSP1AP; mitogen activated protein binding protein interacting protein; p14; Ragulator2; endosomal adaptor protein p14; roadblock domain containing 3; roadblock domain-containing protein 3; late endosomal/lysosomal Mp1-interacting protein; late endosomal/lysosomal adaptor and MAPK and MTOR activator 2; mitogen-activated protein-binding protein-interacting protein (MAPBPIP); ROBLD3; HSPC003; RP11-336K24.9;

Gene ID 28956

mRNA Refseq NM_001145264

Protein Refseq NP_001138736

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MIM	610389
UniProt ID	Q9Y2Q5
Chromosome Location	1q22
Function	protein binding;

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