

Recombinant Human LAMTOR2, His-tagged

Cat. No. LAMTOR2-31332TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human robld3 with an N terminal His tag; 149 amino acids with the tag, predicted mwt: 16 kDa.
Species	Human
Source	E.coli
ProteinLength	125 amino acids
Description	The product of this gene 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. Multiple transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	16.000kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMGSHMLRPKALTQVLSQANTGGVQSTLLLNNEGSL LAYSGYGDTDARVTAAIASNIWAAAYDRNGNQAFNEDNLKFILMDCMEGRVAITRVAN LLLCMYAKETVGFGLKAKAQALVQYLEEPLTQVAAS

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 bindi
Gene ID	28956
mRNA Refseq	NM_001145264
Protein Refseq	NP_001138736
MIM	610389
Uniprot ID	Q9Y2Q5

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Chromosome Location	1q22
Function	protein binding;