9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LAMTOR2 Human

LAMTOR2 Human Recombinant
RCP1221

Product Overview

Name	LAMTOR2 Human
Description	
LAMTOR2 Human Recombinant	
Accession (Primary)	Q9Y2Q5
Synonyms	
Ragulator complex protein LAMTOR2, Endosomal adaptor protein p14, Late endosomal/lysosomal Mp1-interacting protein, Late endosomal/lysosomal adaptor, MAPK, MTOR activator 2, Mitogen-activated protein-binding protein-interacting protein, Roadblock domain-containing protein 3, LAMTOR2, MAPBPIP, ROBLD3, p14, ENDAP, HSPC003, MAPKSP1AP, Ragulator2, RP11-336K24.9.	
Introduction	
LAMTOR2 is a member of the GAMAD family. LAMTOR2 is highly conserved with a mouse protein linked with the cytoplasmic face of late endosomes and lysosomes. The mouse protein interacts with MAPK scaffold protein 1, which is a component of the mitogen-activated protein kinase pathway. LAMTOR2 gene mutation has been associated with a primary immunodeficiency syndrome in humans, proposing a role for this protein in endosomal biogenesis.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
LAMTOR2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MLRPKAL TQVLSQANTG GVQSTLLLNN EGSLLAYSGY GDTDARVTAA	

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IASNIWAAYD RNGNQAFNED NLKFILMDCM EGRVAITRVA NLLLCMYAKE TVGFGMLKAK AQALVQYLEE PLTQVAAS.

Precautions

LAMTOR2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y2Q5)