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

ROBLD3 Human

Roadblock Domain Containing 3 Human Recombinant
RCP1886

Product Overview

Name	ROBLD3 Human
Description	
Roadblock Domain Containing 3 Human Recombinant	
Accession (Primary)	Q9Y2Q5
Synonyms	
Ragulator complex protein LAMTOR2, Endosomal adaptor protein p14, Late endosomal/lysosomal Mp1-interacting protein, Late endosomal/lysosomal adaptor and MAPK and 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	
ROBLD3 is a member of the GAMAD family. ROBLD3 is an adapter protein which enhances the efficiency of the MAP kinase cascade and facilitates the activation of MAPK2. ROBLD3 compels the recruitment of MP1 to late endosomes where they form a very stable heterodimeric complex required for ERK activation on endosomes. In humans, a mutation in the ROBLD3 gene has been associated with a primary immunodeficiency syndrome, and suggests a role for the ROBLD3 protein in endosomal biogenesis.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ROBLD3 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M Nacl, 2mM DTT and 10% glycerol.	
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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MLRPKA LTQVLSQANT GGVQSTLLLN NEGSLLAYSG YGDTDARVTA	

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AIASNIWAAY DRNGNQAFNE DNLKFILMDC MEGRVAITRV ANLLLCMYAK ETVGFGMLKA KAQALVQYLE EPLTQVAAS.

Precautions

ROBLD3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y2Q5)