
Product Data Sheet

Product Name: ROBLD3 Human
 Cat. No.: GP24405
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Regulator 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; Regulator2; RP11-336K24.9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLRPKA LTQVLSQANT GGVQSTLLLN NEGSLAYSG YGDTDARVTA AIASNIWAAY DRNGNQAFNE DNLKFILMDC MEGRVAITRV ANLLLCMYAK ETVGFGMLKA KAQALVQYLE EPLTQVAAS.		
Formulation	The ROBLD3 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol.		

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.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

ROBLD3 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 149 amino acids (1-125 a.a.) and having a molecular mass of 16kDa. The ROBLD3 is purified by proprietary chromatographic techniques.

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