

## ROBLD3 Human

**Description:**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.

Catalog #:PRPS-057

For research use only.

**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 do

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMLRPKA LTQVLSQANT  
GGVQSTLLN NEGSLAYS GYDGDARVTA AIASNIWAAY DRNGNQAFNE DNLKFLMDC  
MEGRVAITRV ANLLLCMYAK ETVGFGLMKA KAQALVQYLE EPLTQVAAS.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The ROBLD3 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol.

### Stability:

ROBLD3 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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