

## 32-4671: Recombinant Human Roadblock Domain Containing 3

### Alternative Name :

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,Roadblo

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 20 µg

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

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

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMLRPKA LTQVLSQANT GGVQSTLLL NNEGSLAYS  
YGD TDARVTA AIASNIWAAY DRNGNQAFNE DNLKFLMDC MEGRVAITRV ANLLLCMYAK ETVGFGMLKA  
KAQALVQYLE EPLTQVAAS.

