

32-4091: Recombinant Human LAMTOR2

Alternative Name :

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 dom

Description

Source : Escherichia Coli. LAMTOR2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 148 amino acids (1-125 a.a) and having a molecular mass of 15.9kDa. LAMTOR2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : LAMTOR2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSMLRPKAL TQVLSQANTG GVQSTLLNNG EGSLLAYSGY
GDTDARVTAA IASNIWAAYD RGNQAFNED NLKFILMDCM EGRVAITRVA NLLLCMYAKE TVFGMLKAK
AQALVQYLEE PLTQVAAS.