



# Recombinant Human Ragulator complex protein LAMTOR3 (LAMTOR3)

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| <b>Product Code</b>      | CSB-EP013477HU-B  |
| <b>Abbreviation</b>      | LAMTOR3   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q9UHA4  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MADDLKRFLY KKLPSVEGLH AIVVSDRDGV PVIKVANDNA PEHALRPGFL<br>STFALATDQG SKLGLSKNKS IICYNTYQV VQFNRLPLVV SFIASSSANT<br>GLIVSLEKEL APLFEELRQV VEVS   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | LAMTOR3   |
| <b>Protein Names</b>     | Recommended name: Ragulator complex protein LAMTOR3<br>Alternative name(s): Late endosomal/lysosomal adaptor and MAPK and MTOR activator 3<br>MEK-binding partner 1 Short name= Mp1 Mitogen-activated protein kinase<br>kinase 1-interacting prot   |
| <b>Expression Region</b> | 1-124   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Target Details</b>    | This gene encodes a scaffold protein that functions in the extracellular signal-regulated kinase (ERK) cascade. The protein is localized to late endosomes by the mitogen-activated protein-binding protein-interacting protein, and binds specifically to MAP kinase kinase MAP2K1/MEK1, MAP kinase MAPK3/ERK1, and MAP kinase MAPK1/ERK2. Studies of the orthologous gene in mouse indicate that it regulates late endosomal traffic and cell proliferation. Multiple transcript variants are expressed by this gene, but only one variant is thought to express a protein. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final  |



concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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