Recombinant Mouse Lamtor4 Protein, Myc/DDK-tagged

Cat. No. Lamtor4-3751M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length late endosomal/lysosomal adaptor, MAPK and MTOR activator 4 (Lamtor4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated.
Molecular Mass	11.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Lamtor4 late endosomal/lysosomal adaptor, MAPK and MTOR activator 4 [Mus musculus (house mouse)]
Official Symbol	Lamtor4
Synonyms	Lamtor4; late endosomal/lysosomal adaptor, MAPK and MTOR activator 4; AV006840; 0910001L09Rik; ragulator complex protein LAMTOR4; UPF0539 protein C7orf59 homolog; late endosomal/lysosomal adaptor and MAPK and MTOR activator 4
Gene ID	66096
mRNA Refseq	NM_001081108
Protein Refseq	NP_001074577
UniProt ID	Q8CF66

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