

Recombinant Mouse Tmem59 Protein, Myc/DDK-tagged

Cat. No. Tmem59-6512M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transmembrane protein 59 (Tmem59), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a regulator of autophagy in response to S.aureus infection by promoting activation of LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C). Acts by interacting with ATG16L1, leading to promote a functional complex between LC3 and ATG16L1 and promoting LC3 lipidation and subsequent activation of autophagy. Modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of several proteins such as APP, BACE1, SEAP or PRNP. Inhibits APP transport to the cell surface and further shedding.
Molecular Mass	36.3 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Tmem59 transmembrane protein 59 [Mus musculus (house mouse)]
Official Symbol	Tmem59
Synonyms	TMEM59; transmembrane protein 59; thymic dendritic cell-derived factor 1; ORF18; MTDCF1; AI256529; D4Ertd20e; 1110001M20Rik; 3110046P06Rik
Gene ID	56374
mRNA Refseq	NM_029565
Protein Refseq	NP_083841
UniProt ID	Q9QY73

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