

## Recombinant Mouse Tmem59 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length transmembrane protein 59 (Tmem59), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	36.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**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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