

Product datasheet for **TP504691**

Tmem59 (NM_029565) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transmembrane protein 59 (Tmem59), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204691 protein sequence Red =Cloning site Green =Tags(s)

MAAPKGKLVVQAQLGLPPLLLLTMALAGGSGTAAAEAFDSVLGDTASCHRACQLTYPLHTYPKEEELYAC
QRGCRFLFSICQFVDDGLDLNRTKLECESACTEAYSQPDEQYACHLGCQDQLPFAELRQEQLMSLMPRMHL
LFPLTLVRSFWSMMDSAQSFITSSWTFYQLQADDGKIVIFQSKPEIQYAPQLEQEPTNLRESSLSKMSYL
QMRNSQAHRNYLEEEESDGLRCLSLNSGWILTTTLVLSVMVLLWICCAAVATAVEQYVPPEKLSIYGDL
EFMNEQKLSRYPPAPSLVIVRSQTEEHEEAGPLPTKVNLAHSEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_083841
Locus ID:	56374
UniProt ID:	Q9QY73



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RefSeq Size:	1562
Cytogenetics:	4 50.12 cM
RefSeq ORF:	972
Synonyms:	1110001M20Rik; 3110046P06Rik; AI256529; D4Erttd20e; MTDCF1; ORF18
Summary:	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. [UniProtKB/Swiss-Prot Function]