

## Product datasheet for **TP305624M**

### **TMEM59 (NM\_004872) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human transmembrane protein 59 (TMEM59), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC205624 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAAPKGSLLWVRTQLGLPPLLLLTMALAGGSGTASAEAFDSVLGDTASCHRACQLTYPLHTYPKEELYAC QRGCRFLFSICQFVDDGIDLNRKLECESACTEAYSQSDEQYACHLGCQNQLPFAELRQEQLMSLMPKMHL LFPLTLVRSFWSMMDSAQSFITSSWTFYLQADDGKIVIFQSKPEIQYAPHLEQPTNLRESSLSKMSSD LQMRNSQAHRNFLEDGESDGLRCLSLNSGWILTTTLVLSVMVLLWICCATVATAVEQYVPSEKLSIYGD LEFMNEQKLNRYPASSLVVRSKTEDHEEAGPLPTKVNLAHSEI  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	36 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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>RefSeq:</b>	<u><a href="#">NP_004863</a></u>
<b>Locus ID:</b>	9528



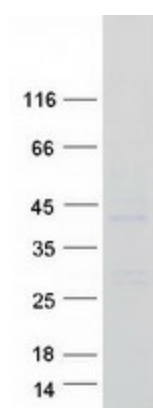
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UniProt ID: [Q9BXS4](#)  
RefSeq Size: 1709  
Cytogenetics: 1p32.3  
RefSeq ORF: 972  
Synonyms: C1orf8; DCF1; HSPC001; PRO195; UNQ169

**Summary:** This gene encodes a protein shown to regulate autophagy in response to bacterial infection. This protein may also regulate the retention of amyloid precursor protein (APP) in the Golgi apparatus through its control of APP glycosylation. Overexpression of this protein has been found to promote apoptosis in a glioma cell line. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified TMEM59 protein (Cat# [TP305624]). The protein was produced from HEK293T cells transfected with TMEM59 cDNA clone (Cat# [RC205624]) using MegaTran 2.0 (Cat# [TT210002]).