

## Recombinant Mouse Tmem173 protein, His-tagged

**Cat. No.** Tmem173-92M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Mouse Tmem173(Trp160~Leu371) fused with His tag at N-terminal was expressed in E. coli. |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Trp160~Leu371   |
| <b>Description</b>      | Tmem173 played an important role in many functions.   |
| <b>Source</b>           | E. coli   |
| <b>Species</b>          | Mouse   |
| <b>Tag</b>              | His   |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300                              |
| <b>Molecular Mass</b>   | 27.8kDa   |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)  |
| <b>Purity</b>           | > 95%   |

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|                       |  |
|-----------------------|--|
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP  |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Reconstitution</b> | Reconstitute in PBS or others.   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">Tmem173 transmembrane protein 173 [ Mus musculus ]</a>  |
| <b>Official Symbol</b> | <a href="#">Tmem173</a>   |
| <b>Synonyms</b>        | TMEM173; transmembrane protein 173; MMITA; mSTING; mediator of IRF3 activation; stimulator of interferon genes protein; mitochondrial mediator of IRF3 activation; endoplasmic reticulum interferon stimulator; ERIS; MPYS; Mita; STING; 2610307O08Rik; |
| <b>Gene ID</b>         | <a href="#">72512</a>   |
| <b>mRNA Refseq</b>     | <a href="#">NM_028261</a>   |
| <b>Protein Refseq</b>  | <a href="#">NP_082537</a>   |
| <b>UniProt ID</b>      | <a href="#">Q3TBT3</a>  |

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|                            |   |
|----------------------------|---|
| <b>Chromosome Location</b> | 18 B2; 18   |
| <b>Pathway</b>             | Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-like receptor signaling pathway, conserved biosystem; |
| <b>Function</b>            | protein homodimerization activity; protein kinase binding; transcription factor binding; ubiquitin protein ligase binding;  |

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