

## Recombinant Mouse Tgm4 Protein, Myc/DDK-tagged

**Cat. No.** Tgm4-6399M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length transglutaminase 4 (prostate) (Tgm4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Associated with the mammalian reproductive process. Plays an important role in the formation of the seminal coagulum through the cross-linking of specific proteins present in the seminal plasma. Transglutaminase is also required to stabilize the copulatory plug. |
| <b>Molecular Mass</b>   | 75.6 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                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                  |

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## GENE INFORMATION

|                 |                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Tgm4 transglutaminase 4 (prostate) [ Mus musculus (house mouse) ]                                                                                                                         |
| Official Symbol | Tgm4                                                                                                                                                                                      |
| Synonyms        | TGM4; transglutaminase 4 (prostate); protein-glutamine gamma-glutamyltransferase 4; TGase-4; transglutaminase-4; experimental autoimmune prostatitis antigen 1; TGP; Eapa1; 9530008N10Rik |
| Gene ID         | 331046                                                                                                                                                                                    |
| mRNA Refseq     | NM_177911                                                                                                                                                                                 |
| Protein Refseq  | NP_808579                                                                                                                                                                                 |
| UniProt ID      | Q8BZH1                                                                                                                                                                                    |

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