

## Recombinant Mouse Tgm5 Protein, Myc/DDK-tagged

Cat. No. Tgm5-6400M Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length transglutaminase 5 (Tgm5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                |
| <b>Species</b>          | Mouse                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                               |
| <b>Description</b>      | Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Contributes to the formation of the cornified cell envelope of keratinocytes. |
| <b>Molecular Mass</b>   | 81 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.                                                                                                                |

### GENE INFORMATION

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|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tgm5 transglutaminase 5 [ Mus musculus (house mouse) ]                                                                                                        |
| <b>Official Symbol</b> | Tgm5                                                                                                                                                          |
| <b>Synonyms</b>        | TGM5; transglutaminase 5; protein-glutamine gamma-glutamyltransferase 5; TGase 5; TGase-5; transglutaminase-5; TGx; TGMX; 2310007C07Rik; MGC143848; MGC143849 |
| <b>Gene ID</b>         | 74176                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_028799                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_083075                                                                                                                                                     |
| <b>UniProt ID</b>      | Q9D7I9                                                                                                                                                        |

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