

Recombinant Mouse Tgm1 Protein, Myc/DDK-tagged

Cat. No. Tgm1-6395M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transglutaminase 1, K polypeptide (Tgm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Responsible for cross-linking epidermal proteins during formation of the stratum corneum. Involved in cell proliferation.
Molecular Mass	89.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Tgm1 transglutaminase 1, K polypeptide [Mus musculus (house mouse)]
Official Symbol	Tgm1
Synonyms	TGM1; transglutaminase 1, K polypeptide; protein-glutamine gamma-glutamyltransferase K; TGK; TG K; TG(K); TGase 1; TGase K; TGase-1; K polypeptide; epidermal TGase; transglutaminase K; transglutaminase-1; transglutaminase type 1; protein-glutamine-gamma-glutamyltransferase; Tgase1; 2310004J08Rik
Gene ID	21816
mRNA Refseq	NM_019984
Protein Refseq	NP_064368
UniProt ID	Q9JLF6

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