

Active Recombinant Human TGM3 Protein, His-tagged

Cat. No. TGM3-527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGM3 (Accession # NP_003236) Ala2-Glu693, fused with an N-terminal Met and 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	Ala2-Glu693
Predicted N Terminal	No result obtained
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl and Glycerol.
Bio-activity	Measured by its ability to cleave a synthetic peptide Benzyloxycarbonyl-Gln-Gly and NH ₂ OH. The specific activity is >450 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human TGM3, His-tagged has a calculated MW of 72 kDa. In SDS-PAGE migrates as 72 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

Reconstitution

Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION
Gene Name

TGM3 transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase) [Homo sapiens]

Official Symbol

TGM3

Synonyms

TGM3; transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase); protein-glutamine gamma-glutamyltransferase E; TGE; TG(E); TGase E; TGase-3; transglutaminase E; transglutaminase-3; MGC126249; MGC126250;

Gene ID

7053

mRNA Refseq

NM_003245

Protein Refseq

NP_003236

MIM

600238

UniProt ID

Q08188

**Chromosome
Location**

20q11.2

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