

Active Recombinant Human TGM3 protein(Ala2-Glu693), His-tagged

Cat. No. TGM3-1171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGM3 (Q08188) (Ala 2-Glu 693) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Ala2-Glu693
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 8.5, 10% gly.
Bio-activity	Measured by its ability to cleave a synthetic peptide Benzyloxycarbonyl-Gln-Gly and NH ₂ OH. The specific activity is > 450 pmoles/min/μg.
Molecular Mass	The recombinant human TGM3 consists of 710 amino acids and predicts a molecular mass of 78.8 kDa. It migRates as an approximately 70 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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