

Recombinant Human TGM1 protein, GST-tagged

Cat. No. TGM1-1206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGM1 protein(467-817 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	467-817 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	SGIFCCGPCSVESIKNGLVYMKYDTPFIFAEVNSDKVYWQRQDDGSFKIVYVEEKAI GTLIVTKAISSNMREDITYLYKHPEGSDAERKAVETAAAHGSKPNVYANRGS AEDVA MQVEAQDAVMGQDLMVSVMLINHSSSRRTVKLHLYLSVTFTYTGVS GTIFKETKKEVE LAPGASDRVTMPVAYKEYRPHLVDQGAMLLNVSGHV KESGQVLAKQHTFRLRTPD LSLTLLGAAVVGQECEVQIVFKNPLPVTLTNNVFRLEG SGLQRPKILNVGDIGGNETV TLRQSFVPVRPGPRQLIASLDSPQLSQVHGV IQVDVAPAPGDGGFFSDAGGDSHLG ETIPMASRGGA
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name TGM1 transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) [Homo sapiens]

Official Symbol TGM1

Synonyms TGM1; transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase); ICR2; protein-glutamine gamma-glutamyltransferase K; LI; LI1; TGASE; TGK; TG(K); TGase K; TGase-1; epidermal TGase; transglutaminase K; transglutaminase-1; transglutaminase 1 isoform; transglutaminase, keratinocyte; KTG;

Gene ID 7051

mRNA Refseq NM_000359

Protein Refseq NP_000350

MIM 190195

UniProt ID P22735

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