

## Recombinant Human TGM1 protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TGM1 protein(467-817 aa), fused to GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	467-817 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
<b>AA Sequence</b>	SGIFCCGPCSVESIKNGLVYMKYDTPFIFAEVNSDKVYWQRQDDGSFKIVYVEEKAI GTLIVTKAISSNMREDITYLYKHPEGSDAERKAVETAAAHGSKPNVYANRGS AEDVA MQVEAQDAVMGQDLMVSVMLINHSSSRRTVKLHLYLSVTFYTGVS GTIFKETKKEVE LAPGASDRVTMPVAYKEYRPHLVDQGAMLLNVSGHVKESGQVLAKQHTFRLRTPD LSLTLGAAVVGQECEVQIVFKNPLPVTLTNVFRLEG SGLQRPKILNVGDIGNETV TLRQSFVVRPGPRQLIASLDSPQLSQVHGVIQVDVAPAPGDGGFFSDAGGDSHLG ETIPMASRGGA
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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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