



Recombinant Human TGM2 Protein Product Manual

1. Product Basic Information

Product No.: REP08439

Protein Name: Tgase Tgase Tgase-Tgase li (TGM2)

Aliases: TGC; tTG; G(h); hTG2; TG(C); tTgase; TGase TGase TGase-TGase II; hhG alpha(h); heart G alpha(h); isopeptidase TGM2; protein G alpha(h); tissue transglutaminase; erythrocyte transglutaminase; protein-g...

UniProt ID: P21980

UniProt Link: <https://www.uniprot.org/uniprotkb/P21980/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: partial of Isoform 2 (4-544aa)

Molecular Weight: 76.9kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (4-544aa)

ELVLERCDLELETNGRDHHTADLCREKLVVRRGQPFWLTLHFEGRNYESVDSLTF
SVVTGPAPSQEAGTKARFPLRDAVEEGDWTATVVDQDQDCTLSLQLTTPANAPIGLY
RLSLEASTGYQGSSFVLGHFILLFNAWCPADAVYLDSEEERQEYVLTQQGFIYQGS
AKFIKNIPWNFGQFEDGILDICLILLDVNPKFLKNAGRDCSRRSSPVYVGRVVS
GMVNCNDDQGVLLGRWDNNYGDGVSPMSWIGSVDILRRWKNHGCQRVKYGGC
WVFAVACTVLRCLGIPTRVVTNYSAHDQNSNLLIEYFRNEFGEIQGDKSEMIW
NFHCWVESWMTRPDLQPGYEGWQALDPTPQEKSEGTYCCGPVPVRAIKEGDL
STKYDAPFVFAEVNADVVDWIQQDDGSVHKSINRSLIVGLKISTKSVGRDERE
DITHYKYPEGSSEEREAFTANHLNKLAEKEETGMAMRIRVGGQSMNMGSDFDV
FAHITNNTAEEYVCRLLLCARTVSYNGILGPECGTKYLLNLEPFSGKALCS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human TGM2 partial of isoform 2 protein (4-544aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. TGM2, also known as TGC or tTG or G(h), is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.