

Recombinant Human TGM4 Protein Product Manual

1. Product Basic Information

Product No.: REP08440

Protein Name: Tgase Tgase-Fibrinogase (TGM4)

Aliases: TGP; hTGP; TGase TGase-fibrinogase; transglutaminase 4 (prostate); prostate-specific transglutaminase; protein-glutamine gamma-glutamyltransferase 4

UniProt ID: P49221

UniProt Link: <https://www.uniprot.org/uniprotkb/P49221/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-684aa)

Molecular Weight: 90.1 kDa

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

2. Amino Acid Sequence (1-684aa)

MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSY
HQLKLEFSTGPNPSIAKHTLVVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAI
LGKYQLNVKTGNHILKSEENILYLLFNPWCKEDMVFMPDEDERKEYILNDTGCHYV
GAARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPVLVCRAMCAMSFEK
GQGVLIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVL
RALGIPARSVTGFDSAHDTERNLTVDTYVNEENGEKITSMTHDSVWNFHVWTDAM
KRPDLPGYDYGWQAVDQATPQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVSEVN
GDRLIWLKVMVNGQEELHVISMETTSIGKNISTKAVGQDRRRDITYEYKYPEGSSEE
RQVMDHAFLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNFTVILKRKTAALQN
VNILGSFELQLYTGKMAKLCDLNKTSIQGQVSEVTLTLDISKTYINSLAILDDEPVIR
GFIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCFKNTLAIPLTDVKFS
LESLGISSLQTSDHGTVQPGETIQSQIKCTPIKTPKPKFIVKLSSKQVKEINAQKIVLIT
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3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9
glycerol content is available upon customer request (please specify requirements when placing orders).

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 TGM4 full length protein (1-684aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. TGM4, also known as TGP or hTGP or TGase TGase-fibrinolygase, 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.