

Active Recombinant Human TGM4, Met&His-tagged

Cat. No. TGM4-245H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGM4 (Accession # AAC50516) Met2-Lys684, fused with an N-terminal Met and 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	2-684 a.a.
Predicted N Terminal	No results obtained, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments.
Form	Supplied as a 0.2 µ filtered solution in Tris, NaCl, DTT and Glycerol.
Bio-activity	Measured by its ability to form CBZ-Gln-Gly-Hydroxamate from CBZ-Gln-Gly and Hydroxylamine. The specific activity is >50 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human TGM4, Met&His-tagged has a calculated MW of 78 kDa. In SDS-PAGE migrates as 65-70 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.

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Storage Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name TGM4 transglutaminase 4 (prostate) [Homo sapiens]

Official Symbol TGM4

Synonyms TGM4; transglutaminase 4 (prostate); protein-glutamine gamma-glutamyltransferase 4; TGP; TG(P); TGase P; TGase-4; fibrinoligase; transglutaminase P; transglutaminase-4; prostate transglutaminase; prostate-specific transglutaminase; hTGP; FLJ26776;

Gene ID 7047

mRNA Refseq NM_003241

Protein Refseq NP_003232

MIM 600585

UniProt ID P49221

Chromosome Location 3p22-p21.33

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