

# Recombinant Full Length Human TGM4 Protein, C-Flag-tagged

Cat. No. TGM4-2094HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human TGM4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Predicted to enable protein-glutamine gamma-glutamyltransferase activity. Predicted to be involved in peptide cross-linking. Predicted to act upstream of or within mating plug formation. Located in Golgi apparatus and collagen-containing extracellular matrix.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	77 kDa
<b>AA Sequence</b>	MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYH QLKLEFSTGPNPSI AKHTLVVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAIL GKYQLNVKTGNHILKSEENILYLLFNP WCKEDMVFMPDEDERKEYILNDTGCHYVG AARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPV LVCRAMCAMMSFEKG QGVLIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVLR ALGIPARSVTGFDSAHDTERNLTVDTYVNEGEKITSMTHDSVWNFHVWTDAMK RPDLPKGYDQWQAVD ATSQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVFSEVNG DRLIWLVKMVNGQEELHVISMETTSIGKN ISTKAVGQDRRRDITYEYKYPEGSSEER QVMDHAFLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNF TVILKRKTAALQNV

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NILGSFELQLYTGKKMAKLCDLNKTSQIQGQVSEVTLTLDISKTYINSLAILDDEPV IRG  
 FIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCIFKNTLAIPLTDVKFSLE  
 SLGIS SLQTSDHGTVQPGETIQSQIKCTPIKTGPKKFIVKLSSKQVKEINAQKIVLITK T  
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	TGM4 transglutaminase 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TGM4
<b>Synonyms</b>	TGP; hTGP
<b>Gene ID</b>	7047

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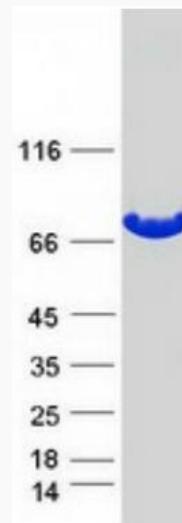
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mRNA Refseq [NM\\_003241.4](#)

Protein Refseq [NP\\_003232.2](#)

MIM [600585](#)

UniProt ID [P49221](#)



Coomassie blue staining of purified TGM4 protein.

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