

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human TGM4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	77 kDa
AA Sequence	MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYH QLKLEFSTGPNPSI AKHTLVVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAIL GKYQLNVKTGNHILKSEENILYLLFNP WCKEDMVFMPDEDERKEYILNDTGCHYVG AARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPV LVCRAMCAMMSFEKG QGVLIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVLR ALGIPARSVTGFD SAHDTERNLTVDTYVNENGEKITSMTHDSVWNFHVWTD AWMK RPDL PKGYD GWQAVD ATSQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVFSEVNG DRLIWLVKMVNGQEELHVISMETTSIGKN ISTKAVGQDRRRDITYEYKYPEGSSEER QVMDHAFLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNF TVILKRKTAALQNV

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NILGSFELQLYTGGKMAKLCDLNKTSQIQGVSEVTLTLDISKTYINSLAILDDEPV IRG
 FIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCIFKNTLAIPLTVDKFSLE
 SLGIS SLQTS DHGTVQPGETIQSIKCTPIKTGPKKFIVKLSSKQVKEINAQKIVLITK T
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

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

GENE INFORMATION

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

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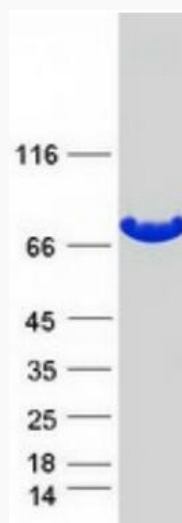
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mRNA Refseq [NM_003241.4](#)

Protein Refseq [NP_003232.2](#)

MIM [600585](#)

UniProt ID [P49221](#)



Coomassie blue staining of purified TGM4 protein.

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