

Recombinant Full Length Human TGM7 Protein, C-Flag-tagged

Cat. No. TGM7-1848HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TGM7 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Transglutaminases (TGM; EC 2.3.2.13) are a family of structurally and functionally related enzymes that stabilize protein assemblies through the formation of gamma-glutamyl-epsilon lysine crosslinks. For additional background information on transglutaminases, see TGM1.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	79.8 kDa
AA Sequence	MDQVATLRLESVDLQSSRNKEHHTQEMGVKRLTVRRGQPFYLRLSFSRPFQSQN DHITFVAETGPKPSE LLGTRATFFLTRVQPGNVWSASDFTIDSNSLQVSLFTPANAVI GHYTLKIEISQGGHGSVTYPLGTIFILL FNPWSPEDDVYLPSEILLQEYIMRDYGFVYK GHERFITSWPWNYGQFEEDIIDICFEILNKSLEYHLKNPA KDCSQRNDVVYVCRVVS MINSNDDNGVLQGNWGEDYSKGVSPLEWKGSVAILQQWSARGGQPVKYGQCW V FASVMCTVMRCLGVPTRVVSNFRSAHNVDRLNTIDTYYDRNAEMLSTQKRDKIWNF HWWNECWMIRKDL PPGYNGWQVLDPTPQQQTSSGLFCCGPASVKAIREGDVHLAY DTPFVYAEVNADEVIWLLGDGQAQEILAH NTSSIGKEISTKMVGSDQRQSITSSYKY PEGSPEERAVFMKASRKMLGPQRASLPFLDLLESGLRLDQPA QLQLHLARIPEWG

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QDLQLLLRIQRPDSTHPRGPIGLVVRFCAQALLHGGGTQKPFWRHTVRMNLDFGK
E TQWPLLLPYSNYRNKLTDEKLIRVSGIAEVEETGRSMLVLKDICLEPPHLSIEVSER
AEVGKALRVHVTL TNTLMVALSSCTMVLEGSGLINGQIAKDLGTLVAGHTLQIQLDLY
PTKAGPRQLQVLISSNEVKEIKGYK DIFVTVAGAP TRTRPLEQKLISEEDLAANDILD
YKDDDDKV

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

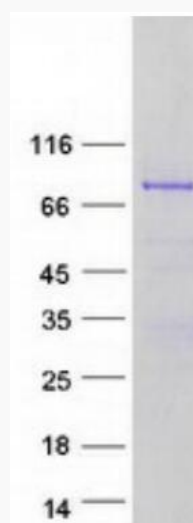
Gene Name	TGM7 transglutaminase 7 [Homo sapiens (human)]
Official Symbol	TGM7
Synonyms	TGMZ
Gene ID	116179

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mRNA Refseq	NM_052955.3
Protein Refseq	NP_443187.1
MIM	606776
UniProt ID	Q96PF1



Coomassie blue staining of purified TGM7 protein.