

## Product datasheet for **TP313082M**

### Transglutaminase 7 (TGM7) (NM\_052955) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 7 (TGM7), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213082 representing NM_052955 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MDQVATLRLESVDLQSSRNKEHHTQEMGVKRLTVRRGQPFYLRLSFSRPFQSQNDHITFVAETGPKPSE LLGTRATFFLTRVQPGNVWSASDFTIDSNSLQVSLFTPANAVIGHYTLKIEISQGQGHSVTYPLGTFILL FNPWSPEDDVYLPSEILLQEYIMRDYGFVYKGERFITSWPWNYGQFEEDIIDICFEILNKSPLYHLKNPA KDCSQRNDVVYVCRVVSAMINSNDDNGVLQGNWGEDYSKGVSPLEWKGVSAILQQWSARGGQPVKYGQCW VFASVMCTVMRCLGVPTRVVSNFRSAHNVDNRNLTIDTYDRNAEMLSTQKRDKIWNFHVWNECWMIRKDL PPGYNGWQVLDPTPQQTSSGLFCCGPASVKAIREGDVHLAYDTPFVYAENVNADEVIWLLGDGQAQEILAH NTSSIGKEISTKMVGSDQRQSITSSYKYPEGSPEERAVFMKASRKMLGPPRSLPFLDLLESGGLRDQPA QLQLHLARPEWGQDLQLLLRIQRPDSTHPRGPIGLVVRFCAQALLHGGGTQKPFWRHTVRMNLDFGKE TQWPLLLPYSNYRNKLTDEKLIRVSGIAEVEETGRSMLVLKDICLEPPHLSIEVSERAIEVGKALRVHVTL TNTLMVALSSCTMVLEGSGLINGQIAKDLGTLVAGHTLQIQLDLYPTKAGPRQLQVLISSNEVKEIKGYK DIFVTVAGAP
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	79.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_443187](#)

**Locus ID:** 116179

**UniProt ID:** [Q96PF1](#)

**RefSeq Size:** 2312

**Cytogenetics:** 15q15.2-q15.3

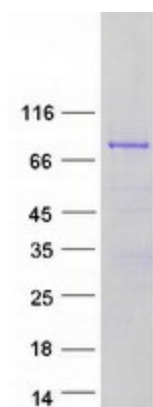
**RefSeq ORF:** 2130

**Synonyms:** TGMZ

**Summary:** 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 (MIM 190195). [supplied by OMIM, Jul 2002]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified TGM7 protein (Cat# [TP313082]). The protein was produced from HEK293T cells transfected with TGM7 cDNA clone (Cat# [RC213082]) using MegaTran 2.0 (Cat# [TT210002]).