

Product datasheet for **TP320515L**

Transglutaminase 3 (TGM3) (NM_003245) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220515 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAALGVQSINWQKAFNRQAHHTDKFSSQELILRRGQNFQVLMIMNKGLGSNERLEFIVSTGPYPSESAMT KAVFPLSNGSSGGWSAVLQASNGNTLTISISSPASAPIGRYTMALQIFSQGGISSVKLGTFFILLFNPWLN VDSVFMGNHAEREYVQEDAGIIFVGSTNRIGMIGWNFGQFEEDILSICLSILDRSLNFRDAATDVASR NDPKYVGRVLSAMINSNDDNGVLGNWSGTYTGGRDPRSWNGSVEILKNWKKSGFSPVRYGQCWVFAGTL NTALRSLGIPSRVITNFNSAHDTRNLSVDVYYDPMGNPLDKGSDSVWNFHVWNEGWFVRSDLGPSYGGW QVLDATPQERSQGVFQCGPASVIGVREGDVQLNFDMPFIFAEVNADRITWLYDNTTGKQWKNSVNSHTIG RYISTKAVGSNARMVDVTDKYKYPEGSDQERQVFQKALGKLPNTPFAATSSMGLETEEQEPSIIGKLVKVA GMLAVGKEVNLVLLLKNLSRDTKTVTNMTAWTIIYNGTLVHEVWKDSATMSLDPEEEAEHPKISYAQY EKYLKSDNMIRITAVCKVPDESEVVVERDIILDNPTLTLEVLNEARVRKPVNVQMLFSNPLDEPVRDCVL MVEGSGLLLGNLKIDVPTLGPKERSRVRFDILPSRSGTKQLLADFSCNKFPAIKAMLSIDVAE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	76.5 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_003236](#)

Locus ID: 7053

UniProt ID: [Q08188](#)

RefSeq Size: 2679

Cytogenetics: 20p13

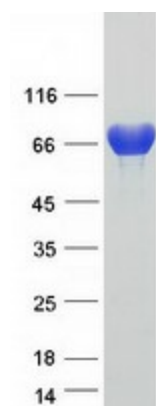
RefSeq ORF: 2079

Synonyms: TGE; UHS2

Summary: Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TGM3 protein (Cat# [TP320515]). The protein was produced from HEK293T cells transfected with TGM3 cDNA clone (Cat# [RC220515]) using MegaTran 2.0 (Cat# [TT210002]).