

Product datasheet for **TP304492**

TGM1 (NM_000359) Human Recombinant Protein

Product data:

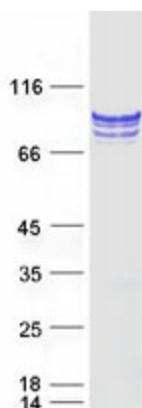
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) (TGM1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204492 protein sequence Red =Cloning site Green =Tags(s) MMDGPRSDVGRWGGNPLQPPTTPSPEPEPEPDGRSRRGGGRSFWARCCGCCSCRNAADDDWGPEPSDSRG RGSSSGTRRPGSRGSDSRPVSARGSGVNAAGDGTIREGMLVNGVDLLSSRSDQNRREHHTDEYEYDELI VRRGQPFHMLLLSRTYESSDRITLELLIGNNPEVGKGTHTVIIPVGKGGSGWKAQVVKASGQNLNLRVH TSPNAIIGKFQFTVRTQSDAGEFQLPFDPRNEIYILFNPWCPEDIVYVDHEDWRQEYVLNESGRIYYGTE AQIGERTWNYGQFDHGVLDACLYILDRRGMPIYGGRGDPVNVSRVISAMVNSLDDNGVLIGNWSDYSRGT NPSAWGVSVEILLSYLRTGYSVPYGCWVFAVTTTLRCLGLATRTVTNFNSAHD TDSLMDIYFDEN MKPLEHLNHDSVWNFHWND CWMKRPDLPSGFDGWQVVDATPQETSSGIFCCGPCSVESIKNGLVYMKYD TPFIFAEVNSDKVYWQRQDDGSKIVYVEEKAIGTLIVTKAISSNMREDITYLYKHPEGSDAERKAVETA AAHGSKPNVYANRGS AEDVAMQVEAQDAVMGQDLMVSVMLINHSSSRRTVKLHLYLSVTFYTGVS GTIFK ETKKEVELAPGASDRVTMPVAYKEYRPHLVDQGAMLLNVSGHVKESGQVLAKQHTFRLRTPDLSLTL LGA AVVGQECEVQIVFKNPLPVTLTNVVFRLEGSGLQRPKILNVGDIGGNETVTLRQSFVPVRPGRQLIASL DSPQLSQVHGVIQVDVAPAPGDGGFFSDAGGDSHLGETIPMASRGA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	89.6 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.



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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.
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_000350
Locus ID:	7051
UniProt ID:	P22735
RefSeq Size:	2777
Cytogenetics:	14q12
RefSeq ORF:	2451
Synonyms:	ARCI1; ICR2; KTG; LI; LI1; TGASE; TGK
Summary:	The protein encoded by this gene is a membrane protein that catalyzes the addition of an alkyl group from an alkylamine to a glutamine residue of a protein, forming an alkylglutamine in the protein. This protein alkylation leads to crosslinking of proteins and catenation of polyamines to proteins. This gene contains either one or two copies of a 22 nt repeat unit in its 3' UTR. Mutations in this gene have been associated with autosomal recessive lamellar ichthyosis (LI) and nonbullous congenital ichthyosiform erythroderma (NCIE). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified TGM1 protein (Cat# TP304492). The protein was produced from HEK293T cells transfected with TGM1 cDNA clone (Cat# [RC204492]) using MegaTran 2.0 (Cat# [TT210002]).