

Product datasheet for **TP300226M**

Transglutaminase 2 (TGM2) (NM_198951) Human Recombinant Protein

Product data:

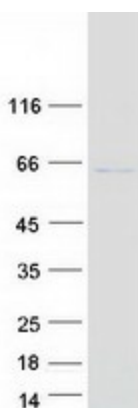
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200226 representing NM_198951 Red =Cloning site Green =Tags(s) MAEELVLERCDLELETNGRDHHTADLCREKLWVRGQPFWLT LHFEGRNYEASVDSLTF SWTGPAPSQE AGTKARFPLRDAVEEGDWTATVVDQDCTLSLQLTTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLFN AWCPADAVYLDSEERQEYVLTQQGFIYQGS AKFIKNIPWNFGQFEDGILDICLILLDVNPKFLKNAGR CSRSSPVYVGRVSGMVNCNDDQGVLLGRWDNNYGDGVSPMSWIGSVDILRRWKNHGCQRVKYQCWVF AAVACTVLRCLGIPTRVVTNYNSAHDQNSNLLIEYFRNEFGEIQGDKSEMIWNFHCWVESW MTRPDLQPG YEGWQALDPTPQEKSEGTYCCGPVPVRAI KEGDLSTKYDAPFVFAEVNADVVDWIQQDDGSVHKSINRSL IVGLKISTKSVGRDEREDITHYKYPEGSSE EREAFTRANHLNKLAEKEETGMAMRIRVQSMNMGSDFD VFAHITNNTAEEYVCRLLLCARTVSYNGILGPEC GTKYLLNLNLEPFSGKALCSWSIC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	61.5 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_945189
Locus ID:	7052
UniProt ID:	P21980
RefSeq Size:	1879
Cytogenetics:	20q11.23
RefSeq ORF:	1644
Synonyms:	G(h); hTG2; TG(C); TGC; tTG
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 acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Huntington's disease

Product images:



Coomassie blue staining of purified TGM2 protein (Cat# [TP300226]). The protein was produced from HEK293T cells transfected with TGM2 cDNA clone (Cat# [RC200226]) using MegaTran 2.0 (Cat# [TT210002]).