

Product datasheet for **TP317353**

Transglutaminase 2 (TGM2) (NM_004613) Human Recombinant Protein

Product data:

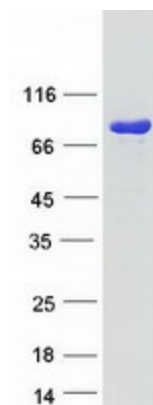
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217353 representing NM_004613 Red =Cloning site Green =Tags(s)
	<p>MAEELVLERCDLELETNGRDHHTADLCREKLWVRGQPFWLT LHFEGRNYEASVDSLTF SVWTGPAPSQE AGTKARFPLRDAVEEGDWTATVVDQDCTLSLQLTTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLFN AWCPADAVYLDSEERQEYVLTQQGFIYQGS AKFIKNIPWNFGQFEDGILDICLILLDVNPKFLKNAGR CSRSSPVYVGRVSGMVN CNDDQGVLLGRWDNNYGDGVSPMSWIGSVDILRRWKNHGCQRVKYGCWVF AAVACTVLRCLGIPTRVVTNYNSAHDQNSNLLIEYFRNEFGEIQGDKSEMIWNFHCWVESWMTRPDLQPG YEGWQALDPTPQEKSEGTCCGPVPVRAIKEGDLSTKYDAPFVFAEVNADVVDWIQDDG SVHKSINRSL IVGLKISTKSVGRDEREDITHYKYPEGSSEEREAFTANHLNKLAEKEETGMAMRIRVQSMNMGSDFD VFAHITNNTAEEYVCRLLLCARTVSYNGILGPECGTKYLLNLNLEPFSEKSVPLCILEKYRDCLTESNL IKVRALLVEPVINSYLLAERDLYLENPEIKIRILGEPKQKRKLVAEVS LQNPLPVALEGCTFTVEGAGLT EEQKTVEIPDPVEAGEEVKVRMDLLPLHMGLHKL VVNFESDKLKAVKGFNRNVIIGPA</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	77.1 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_004604
Locus ID:	7052
UniProt ID:	P21980 , V9HWG3
RefSeq Size:	3937
Cytogenetics:	20q11.23
RefSeq ORF:	2061
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# TP317353). The protein was produced from HEK293T cells transfected with TGM2 cDNA clone (Cat# [RC217353]) using MegaTran 2.0 (Cat# [TT210002]).