

Product datasheet for TP315126M

Transglutaminase 5 (TGM5) (NM_201631) Human Recombinant Protein

Product data:

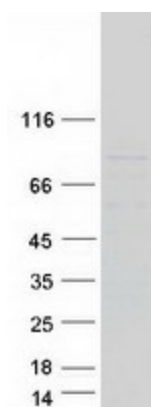
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 5 (TGM5), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215126 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAQGLEVALTDLQSSRNNVRHHTTEITVDHLLVRRGQAFNLTLYFRNRSFQPGLDNIIFVETGPLPDLA LGTRAVFSLARHHSPSPWIAWLETNGATSTEVSLCAPPKAAVGRYLLKIHIDSFQGSVTAYQLGEFILLF NPWCPEDAVYLDSEPQRQEYVMNDYGFYQGSKNWIRPCPWNYGQFEDKIIDICLKLLDKSLHFQTDPAT DCALRGSPVYVSRVVCAMINSNDDNGVLNGNWSENYTDGANPAEWTGSAVKQWNATGCQPVRYGQCWW FAAVMCTVMRCLGIPTRVITNFDSGHDTDGNLIIDEYDNTGRILGNKKKDTIWNFHWNECWMARKDLP PAYGGWQVLDATPQEMSNGVYCCGPASVRAIKEGEVDLNYDTPFVFSMVNADCMSWLQGGKEQKLHQDT SSVGNFISTKSIQSDERDDITENYKYEESLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDS PRSLHTPSLRPSDVVQVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLDGSPSPFWQ DTAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEKSSPEKILVNKIITLSYPSITINVLGAA VVNQPLSIQVIFSNPLSEQVEDCVLTVEGSLFKKQKQVFLGVLKPQHQAIILETVPFKSGQRQIQANM RSNKFKDIKGYRNVYVDFAL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	80.6 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.
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.



[View online »](#)

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_963925
Locus ID:	9333
UniProt ID:	O43548 , B4DPS8
RefSeq Size:	2777
Cytogenetics:	15q15.2
RefSeq ORF:	2160
Synonyms:	PSS2; TGASE5; TGASEX; TGM6; TGMX; TGX
Summary:	This gene encodes a member of the transglutaminase family. The encoded protein catalyzes formation of protein cross-links between glutamine and lysine residues, often resulting in stabilization of protein assemblies. This reaction is calcium dependent. Mutations in this gene have been associated with acral peeling skin syndrome. [provided by RefSeq, Oct 2009]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified TGM5 protein (Cat# [TP315126]). The protein was produced from HEK293T cells transfected with TGM5 cDNA clone (Cat# [RC215126]) using MegaTran 2.0 (Cat# [TT210002]).