

## Product datasheet for TP315126

### Transglutaminase 5 (TGM5) (NM\_201631) Human Recombinant Protein

#### Product data:

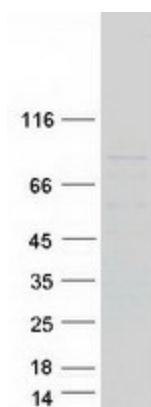
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 5 (TGM5), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215126 protein sequence Red=Cloning site Green=Tags(s)
	MAQGLEVALTDLQSSRNNVRHHTTEITVDHLLVRRGQAFNLTLYFRNRSFQPGLDNIIFVETGPLPDLAGTRAVFSLARHHSPSPWIAWLETNGATSTEVSLCAPPKAAVGRYLLKIHIDSFQGSVTAYQLGEFILLFNPWCPEDAVYLDSEPRQEQEYVMNDYGFYQGSKNWIRPCPWNYGQFEDKIIDICLKLLDKSLHFQTDPATDCALRGSPVYVSRVVCAMINSNDDNGVLNGNWSENYTDGANPAEWTGSAVKQWNATGCQPVRYGQCWWFAAVMCTVMRCLGIPTRVITNFDSGHDTDGNLIIDEYDNTGRILGNKKKDTIWNFHWNECWMARKDLPAYGGWQVLDATPQEMSNGVYCCGPASVRAIKEGEVDLNYDTPFVFSMVNADCMSWLQGGKEQKLHQDTSSVGNFISTKSIQSDERDDITENYKYEESLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDSPRSLHTPSLRPSDVVQVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLDGSPSPFWQDTAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEKSSPEKILVNKIITLSYPSITINVLGAAVWNQPLSIQVIFSNPLSEQVEDCVLTVEGSLFKKQKQVFLGVLKPQHQAIILETVPFKSGQRQIQANMRSNKFKDIKGYRNVYVDFAL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_963925</a>
<b>Locus ID:</b>	9333
<b>UniProt ID:</b>	<a href="#">O43548</a> , <a href="#">B4DPS8</a>
<b>RefSeq Size:</b>	2777
<b>Cytogenetics:</b>	15q15.2
<b>RefSeq ORF:</b>	2160
<b>Synonyms:</b>	PSS2; TGASE5; TGASEX; TGM6; TGMX; TGX
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).