

Product datasheet for PH315126

Transglutaminase 5 (TGM5) (NM_201631) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TGM5 MS Standard C13 and N15-labeled recombinant protein (NP_963925)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215126
Predicted MW:	80.8 kDa
Protein Sequence:	>RC215126 protein sequence Red=Cloning site Green=Tags(s)

MAQGLEVALTDLQSSRNNVRHHTEEITVDHLLVRRGQAFNLTLYFRNRSFQPLDNIIFVVTGPLPDLA
LGTRAVFSLARHHSPPWIAWLETNGATSTEVSCLAPPKAAVGRYLLKIHDSFQGSVTAYQLGEFILLF
NPWCPEDAVYLDSEPRQEQYVMNDYGFYIYQGSKNWIRPCPWNYGQFEDKIIDICLKLDDKSLHFQTDPAT
DCALRGSPVYVSRVVCAMINSNDDNGVNLGNWSENNTDGANPAEWTGSVAILKQWNATGCQPVRYGQCWV
FAAVMCTVMRCLGIPTRVITNFDSGHDTDGNLIIIDEYYDNTGRILGNKKKDTIWNFHVWNECWMARKDLP
PAYGGWQVLDATPQEMSNVYCCGPASVRAIKEGEVDLNYDTPFVFSMVNADCMSWL VQGGKEQKLHQDT
SSVGNFISTKSIQSDERDDITENYKYEESLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDS
PRSLHTPSLRPSDVVQVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLDHGSPLSPFWQ
DTAFITLSPKEAKTYPCKISYSQYSQYLSTDKLRISALGEEKSSPEKILVNKIIITLSYPSITINVLGAA
VYNQPLSIQVIFSNPLSEQVEDCVLTVEGSGLFKKQKQVFLGVLKPQHQAASIIETVFPKSGQRQIQANM
RSNKFKDIKGYRNVYVDFAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_963925



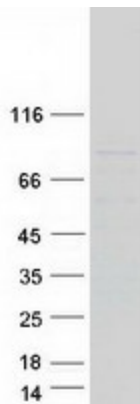
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RefSeq Size:	2777
RefSeq ORF:	2160
Synonyms:	PSS2; TGASE5; TGASEX; TGM6; TGMX; TGX
Locus ID:	9333
UniProt ID:	O43548 , B4DPS8
Cytogenetics:	15q15.2

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]).