Recombinant Human TGM5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TGM5-1771H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TGM5 MS Standard C13 and N15-labeled recombinant protein (NP_963925) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	80.8 kDa
AA Sequence	MAQGLEVALTDLQSSRNNVRHHTEEITVDHLLVRRGQAFNLTLYFRNRSFQPGLDNI IFVVETGPLPDLALGTRAVFSLARHHSPSPWIAWLETNGATSTEVSLCAPPKAAVGR YLLKIHIDSFQGSVTAYQLGEFILLFNPWCPEDAVYLDSEPQRQEYVMNDYGFIYQG SKNWIRPCPWNYGQFEDKIIDICLKLLDKSLHFQTDPATDCALRGSPVYVSRVVCAMI NSNDDNGVLNGNWSENYTDGANPAEWTGSVAILKQWNATGCQPVRYGQCWVFA AVMCTVMRCLGIPTRVITNFDSGHDTDGNLIIDEYYDNTGRILGNKKKDTIWNFHVW NECWMARKDLPPAYGGWQVLDATPQEMSNGVYCCGPASVRAIKEGEVDLNYDTP FVFSMVNADCMSWLVQGGKEQKLHQDTSSVGNFISTKSIQSDERDDITENYKYEEG

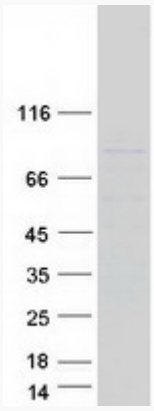
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	SLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDSPRSLHTPSLRPSDVV QVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLHDGSPLSPFWQD TAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEKSSPEKILVNKIITLSYPSIT INVLGAAVVNQPLSIQVIFSNPLSEQVEDCVLTVEGSGLFKKQQKVFLGVLKPQHQA SIILETVPFKSGQRQIQANMRSNKFKDIKGYRNVYVDFALTRTRPLEQKLISEEDLAAN DILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TGM5 transglutaminase 5 [Homo sapiens (human)]
Official Symbol	TGM5
Synonyms	TGM5; transglutaminase 5; protein-glutamine gamma-glutamyltransferase 5; TGX; TG(X); TGase X; TGase-5; transglutaminase V; transglutaminase X; transglutaminase-5; TGM6; TGMX; TGASE5; TGASEX; MGC141907;
Gene ID	9333
mRNA Refseq	NM_201631

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Protein Refseq	NP_963925
MIM	603805
UniProt ID	O43548
SDS-PAGE	

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