

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	<p>MAQGLEVALTDLQSSRNNVRHHTEEITVDHLLVRRGQAFNLTLYFRNRSFQPGLDNI IFVVETGPLPDLALGTRAVFSLARHHSPSPWIAWLETNGATSTEVSLCAPPKAAVGR YLLKIHIDSFQGSVTAYQLGEFILLFNPWCPEDAVYLDSEPQRQEYVMNDYGFIYQG SKNWIRPCPWNYGQFEDKIIDICLKLKSLHFQTDPATDCALRGSPVYVSRVVCAMI NSNDDNGVLNGNWSENYTDGANPAEWTGSVAILKQWNATGCQPVRYPYGGCWWVFA AVMCTVMRCLGIPTRVITNFDSGHDTDGNIIDEYDNTGRILGNKKKDTIWNFHVW NECWMARKDLPPAYGGWQVLDATPQEMSNGVYCCGPASVRAIKEGEVDLNYDTP FVFSMVNADCMSWLQGGKEQKLHQDTSSVGNFISTKSIQSDERDDITENYKYEEG</p>

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SLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDSPRSLHTPSLRPSDVV
 QVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLDGSPSPFWQD
 TAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEKSSPEKILVNKIITLSYPSIT
 INVLGAAVVNQPLSIQVIFSNPLSEQVEDCVLTVEGSGLFKKQKQVFLGVLPKHQA
 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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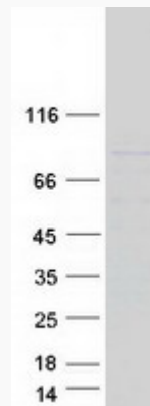
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Protein Refseq NP_963925

MIM 603805

UniProt ID O43548

SDS-PAGE



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