

Recombinant Human TGM3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TGM3-2630H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TGM3 MS Standard C13 and N15-labeled recombinant protein (NP_003236) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle.
Molecular Mass	76.8 kDa
AA Sequence	MAALGVQSINWQKAFNRQAHHTDKFSSQELILRRGQNFQVLMIMNKGLGSNERLEF IVSTGPYPSESAMTKAVFPLSNGSSGGWSAVLQASNGNTLTISISSPASAPIGRYTM ALQIFSQGGISSVKLGTFILLFNPWLNVDVFMGNHAEREEYVQEDAGIIFVGSTNRI GMIGWNFGQFEEDILSICLSILDRSLNFRDAATDVASRNDPKYVGRVLSAMINSND DNGVLAGNWSGTYTGGRDPRSWNGSVEILKNWKKSGFSPVRYGQCWVFAGTLNT ALRSLGIPSRVITNFNSAHDTRNLSVDVYYDPMGNPLDKGSDSVWNFHVWNEGW

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FVRSDLGPSYGGWQVLDATPQERSQGVFQCGPASVIGVREGDVQLNFDMPFIFAE
VNADRITWLYDNTTGKQWKNSVNSHTIGRYISTKAVGSNARMDVTDKYKYPEGSDQ
ERQVFQKALGKLPNTTPFAATSSMGLETEEQEPSIIGKLVAGMLAVGKEVNLVLLK
NLSRDTKTVTVNMTAWTIIYNGTLVHEVWKDSATMSLDPEEEAEHPIKISYAQYEKYL
KSDNMIRITAVCKVPDESEVVVERDIILDNPTLTLEVLNEARVRKPVNVQMLFSNPLD
EPVRDCVLMVEGSGLLLGNLKIDVPTLGPKERSRVRFDILPSRSGTKQLLADFSCNK
FPAIKAMLSIDVAETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 TGM3 transglutaminase 3 [Homo sapiens (human)]

Official Symbol TGM3

Synonyms TGM3; transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase); protein-glutamine gamma-glutamyltransferase E; TGE; TG(E); TGase E; TGase-3; transglutaminase E; transglutaminase-3; MGC126249; MGC126250;

Gene ID 7053

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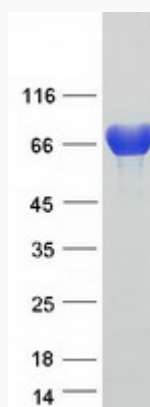
mRNA Refseq [NM_003245](#)

Protein Refseq [NP_003236](#)

MIM [600238](#)

UniProt ID [Q08188](#)

SDS-PAGE



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