Recombinant Full Length Human TGM5 Protein, C-Flag-tagged

Cat. No. TGM5-1869HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TGM5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	80.6 kDa
AA Sequence	MAQGLEVALTDLQSSRNNVRHHTEEITVDHLLVRRGQAFNLTLYFRNRSFQPGLDNI IFVVETGPLPDLA LGTRAVFSLARHHSPSPWIAWLETNGATSTEVSLCAPPKAAVGR YLLKIHIDSFQGSVTAYQLGEFILLF NPWCPEDAVYLDSEPQRQEYVMNDYGFIYQG SKNWIRPCPWNYGQFEDKIIDICLKLLDKSLHFQTDPAT DCALRGSPVYVSRVVCAM INSNDDNGVLNGNWSENYTDGANPAEWTGSVAILKQWNATGCQPVRYGQCWV FA AVMCTVMRCLGIPTRVITNFDSGHDTDGNLIIDEYYDNTGRILGNKKKDTIWNFHVW NECWMARKDLP PAYGGWQVLDATPQEMSNGVYCCGPASVRAIKEGEVDLNYDTP FVFSMVNADCMSWLVQGGKEQKLHQDT SSVGNFISTKSIQSDERDDITENYKYEEG

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

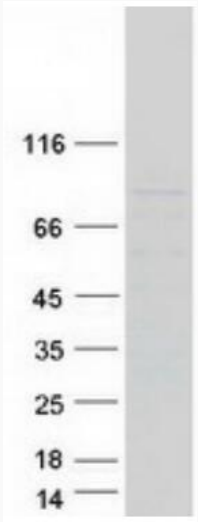
	SLQERQVFLKALQKLKARSFHGSQRGAELQPSRPTSLSQDS PRSLHTPSLRPSDVV QVSLKFKLLDPPNMGQDICFVLLALNMSSQFKDLKVNLSAQSLLHDGSPLSPFWQ D TAFITLSPKEAKTYPCKISYSQYSQYLSTDKLIRISALGEEKSSPEKILVNKIITLSYPSIT INVLGAA VVNQPLSIQVIFSNPLSEQVEDCVLTVEGSGLFKKQQKVFLGVLKPQHQA SIILETVPFKSGQRQIQANM RSNKFKDIKGYRNVYVDFAL TRTRPLEQKLISEEDLAA NDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	TGM5 transglutaminase 5 [Homo sapiens (human)]
Official Symbol	TGM5
Synonyms	TGX; PSS2; TGM6; TGMX; TG(X); TGASE5; TGASEX

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Gene ID	9333
mRNA Refseq	NM_201631.4
Protein Refseq	NP_963925.2
MIM	603805
UniProt ID	O43548



Coomassie blue staining of purified TGM5 protein.

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