

Recombinant Human TGM2 protein, His-tagged

Cat. No. TGM2-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGM2 protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-687aa
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 acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. Finally, the encoded protein is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT.
Molecular Mass	79.7 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEELVL ERCDLELETN GRDHHTADLC REKLVVRRGQ PFWLTLHFEG RNYEASVDSL TFSVVTGPAP SQEAGTKARF PLRDAVEEGD WTATVVDQQD CTLSLQLTTP ANAPIGLYRL SLEASTGYQG SSFVLGHFIL LFNAWCPADA VYLDSEEERQ EYVLTQQGFI YQGS AKFIKN IPWNFGQFED GILDICLILL DVNPKFLKNA GRDCSRRSSP VYVGRVVSGM

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VNCNDDQGV LGRWDNNYGD GVSPMSWIGS VDILRRWKNH GCQRVKYGQC
 WVFAAVACTV LRCLGIPTRV VTNYN SAHDQ NSNLLIEYFR NEFGEIQGDK
 SEMIWNFHCW VESWMTRPDL QPGYEGWQAL DPTPQEKSEG TYCCGPVPVR
 AIKEGDLSTK YDAPFVFAEV NADVVDWIQQ DDGSVHKSIN RSLIVGLKIS
 TKS VGRDERE DITHTYKYPE GSSEEREAF T RANHLNKLAE KEETGMAMRI
 RVGQSMNMGS DFDVFAHITN NTAE EYVCRL LLCARTVSYN GILGPECGTK
 YLLNLNLEPF SEKSVPLCIL YEKYRDCLTE SNLIKVRALL VEPVINSYLL
 AERDLYLENP EIKIRILGEP KQKRKLVAEV SLQNPLPVAL EGCTFTVEGA
 GLTEEQKTVE IPDPVEAGEE VKVRMDLLPL HMGLHKLNVN FESDKLKAVK
 GFRNVIIGPA

Purity > 85%

Applications SDS-PAGE

Storage Can be stored at 2 centigrade to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name TGM2 transglutaminase 2 [Homo sapiens (human)]

Official Symbol TGM2

Synonyms Protein-glutamine gamma-glutamyltransferase 2; Protein-glutamine gamma-glutamyltransferase 2; G[a]h; TG2; TGase2; Ttg; tTGas

Gene ID 7052

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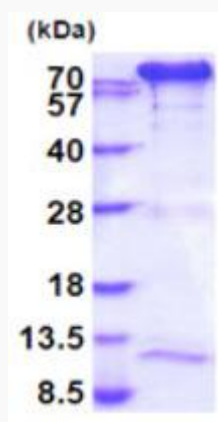
mRNA Refseq [NM_004613](#)

Protein Refseq [NP_004604](#)

MIM [190196](#)

UniProt ID [P21980](#)

**15% SDS-PAGE(3
μg)**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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