

Recombinant Human TGM2 Protein, His-tagged

Cat. No. TGM2-008H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human TGM2 protein (2-687) with a N-terminally His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-687
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	50 mM HEPES, pH 7.2, with 150 mM sodium chloride, 1 mM DTT, 1 mM EDTA, and 10% glycerol
Molecular Mass	79.4 kDa
Purity	≥90% estimated by SDS-PAGE
Stability	≥ 545 days

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -80 centigrade

Shipping Dry ice in continental US; may vary elsewhere

GENE INFORMATION

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

Official Symbol TGM2

Synonyms TGM2; transglutaminase 2; TGC; TG(C); protein-glutamine gamma-glutamyltransferase 2; C polypeptide, protein-glutamine-gamma-glutamyltransferase; TGase C; TGase H; TGase-2; tissue transglutaminase; transglutaminase C; transglutaminase H; EC 2.3.2.13

Gene ID 7052

mRNA Refseq NM_001323316

Protein Refseq NP_001310245

MIM 190196

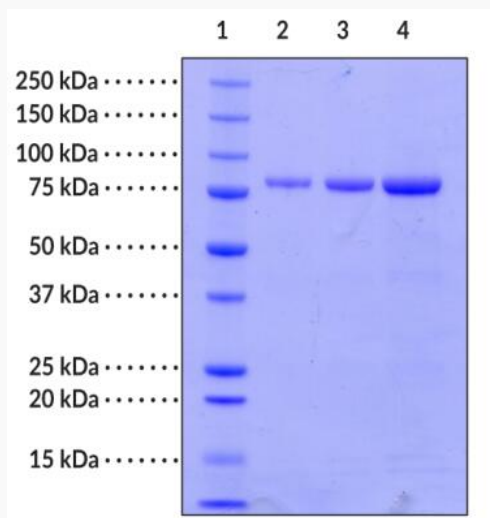
UniProt ID P21980

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**SDS-PAGE analysis
of TGM2.**



Lane 1: MW Markers

Lane 2: TGM2 (1 µg)

Lane 3: TGM2 (2 µg)

Lane 4: TGM2 (4 µg)