

# Product datasheet for AR51823PU-N

### Transglutaminase-2 (TGM2) (1-687, His-tag) Human Protein

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Transglutaminase-2 (TGM2) (1-687, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAEELVL ERCDLELETN GRDHHTADLC REKLVVRRGQ PFWLTLHFEG RNYEASVDSL TFSVVTGPAP SQEAGTKARF PLRDAVEEGD WTATVVDQQD CTLSLQLTTP ANAPIGLYRL SLEASTGYQG SSFVLGHFIL LFNAWCPADA VYLDSEEERQ EYVLTQQGFI YQGSAKFIKN IPWNFGQFED GILDICLILL DVNPKFLKNA GRDCSRRSSP VYVGRVVSGM VNCNDDQGVL LGRWDNNYGD GVSPMSWIGS VDILRRWKNH GCQRVKYGQC WVFAAVACTV LRCLGIPTRV VTNYNSAHDQ NSNLLIEYFR NEFGEIQGDK SEMIWNFHCW VESWMTRPDL QPGYEGWQAL DPTPQEKSEG TYCCGPVPVR AIKEGDLSTK YDAPFVFAEV NADVVDWIQQ DDGSVHKSIN RSLIVGLKIS TKSVGRDERE DITHTYKYPE GSSEEREAFT RANHLNKLAE KEETGMAMRI RVGQSMNMGS DFDVFAHITN NTAEEYVCRL LLCARTVSYN GILGPECGTK YLLNLNLEPF SEKSVPLCIL YEKYRDCLTE SNLIKVRALL VEPVINSYLL AERDLYLENP EIKIRILGEP KQKRKLVAEV SLQNPLPVAL EGCTFTVEGA GLTEEQKTVE IPDPVEAGEE VKVRMDLLPL HMGLHKLVVN FESDKLKAVK GFRNVIIGPA
Tag:	His-tag
Predicted MW:	79.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TGM2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.



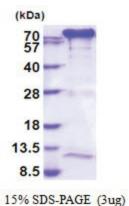
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	Transglutaminase-2 (TGM2) (1-687, His-tag) Human Protein – AR51823PU-N
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 001310245</u>
Locus ID:	7052
UniProt ID:	<u>P21980, V9HWG3</u>
Cytogenetics:	20q11.23
Synonyms:	G(h); hTG2; TG(C); TGC; tTG
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathway	s: Huntington's disease

## Product images:



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