

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 REKLWRRGQ PFWLTLHFEG RNYEASVDSL TFSVVTGPAP SQEAGTKARF PLRDAVEEGD WTATVVDQQD CTLSLQLTTP ANAPIGLYRL SLEASTGYQG SSFVLGHFIL LFNAWC PADA VYLDSEERQ EYVLTQQGFI YQGS AKFIKN IPWNFGQFED GILDICLILL DVNPKFLKNA GRDCSRRSSP VYVGRVWSGM VNCNDDQGV LGRWDN NYGD GVSPMSWIGS VDILRRWKNH GCQRVKYGQC WVFAAVACTV LRCLGIPTRV VTNYN SAHDQ NSNLLIEYFR NEFGEIQGDK SEMIWNFHCW VESWMTRPDL QPGYEGWQAL DPTPQEKSEG TYCCGPVPVR AIKEGDLSTK YDAPVFVAEV NADVVDWIQQ DDGSVHKSIN RSLIVGLKIS TKS VGRDERE DITHTYKYPE GSSEEREAF T RANHLNKLAE KEETGMAMRI RVGQSMNMGS DFDVFAHITN NTAEEYVCRL LLCARTVSYN GILGPECGTK YLLNLNLEPF SEKSVPLCIL YEKYRDCLTE SNLIKVRALL VEPVINSYLL AERDLYLENP EIKIRILGEP KQKRKLVAEV SLQNPLPVAL EGCTFTVEGA GLTEEQKTVE IPDPVEAGEE VKVRMDLLPL HMGLHKLNVN 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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Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001310245
Locus ID:	7052
UniProt ID:	P21980 , V9HWG3
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 Pathways:	Huntington's disease

Product images:

