Full-Length

TGM3 (Human) Recombinant Protein (P01)

Catalog # H00007053-P01 Size 50 ug

Specification

Product Description	Human TGM3 full-length ORF (BAG37663.1, 1 a.a. - 693 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAALGVQSINWQKAFNRQAHHTDKFSSQELILRRGQNFQVLMIMNKGLGSNERLEFIVSTGPYPS ESAMTKAVFPLSNGSSGGWSAVLQASNGNTLTISISSPASAPIGRYTMALQIFSQGGISSVKLGTFIL LFNPWLNVDSVFMGNHAEREEYVQEDAGIIFVGSTNRIGMIGWNFGQFEEDILSICLSILDRSLNFR RDAATDVASRNDPKYVGRVLSAMINSNDDNGVLAGNWSGTYTGGRDPRSWNGSVEILKNWKKS GFSPVRYGQCWVFAGTLNTALRSLGIPSRVITNFNSAHDTDRNLSVDVYYDPMGNPLDKGSDSV WNFHVWNEGWFVRSDLGPSYGGWQVLDATPQERSQGVFQCGPASVIGVREGDVQLNFDMPFI FAEVNADRITWLYDNTTGKQWKNSVNSHTIGRYISTKAVGSNARMDVTDKYKYPEGSDQERQVFQ KALGKLKPNTPFAATSSMGLETEEQEPSIIGKLKVAGMLAVGKEVNLVLLLKNLSRDTKTVTVNMT AWTIIYNGTLVHEVWKDSATMSLDPEEEAEHPIKISYAQYEKYLKSDNMIRITAVCKVPDESEVVVE RDIILDNPTLTLEVLNEARVRKPVNVQMLFSNPLDEPVRDCVLMVEGSGLLLGNLKIDVPTLGPKE RSRVRFDILPSRSGTKQLLADFSCNKFPAIKAMLSIDVAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	102.63
Interspecies Antigen Sequence	Mouse (76); Rat (76)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

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- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TGM3

Entrez GeneID	7053
GeneBank Accession#	AK315236.1
Protein Accession#	BAG37663.1
Gene Name	TGM3
Gene Alias	MGC126249, MGC126250, TGE
Gene Description	transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyltransferase)
Omim ID	600238
Gene Ontology	Hyperlink
Gene Summary	Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma gluta myl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, th ey all have the same amino acid sequence at their active sites and their activity is calcium-depen dent. The protein encoded by this gene consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle. [provided by RefSeq
Other Designations	OTTHUMP00000030008|TGase E|transglutaminase 3|transglutaminase E

Disease

- Tobacco Use Disorder

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