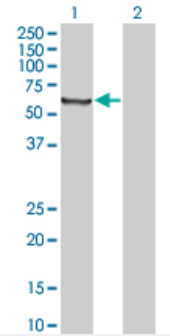
TGM2 293T Cell Transient Overexpression Lysate(Denatured)

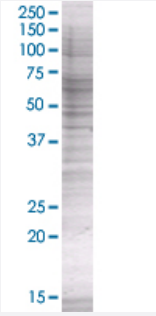
Catalog # H00007052-T01 Size 100 uL

Applications



Western Blot

Lane 1: TGM2 transfected lysate (61.7 KDa)
Lane 2: Non-transfected lysate.



SDS-PAGE Gel

TGM2 transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-TGM2 full-length
Host	Human
Theoretical MW (kDa)	60.39
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-TGM2 antibody (H00007052-B01) by Western Blots. Western Blot Lane 1: TGM2 transfected lysate (61.7 KDa) Lane 2: Non-transfected lysate. SDS-PAGE Gel TGM2 transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — TGM2

Entrez GeneID	7052
GeneBank Accession#	NM_198951
Protein Accession#	NP_945189
Gene Name	TGM2
Gene Alias	G-ALPHA-h, GNAH, TG2, TGC
Gene Description	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)
Omim ID	190196
Gene Ontology	Hyperlink
Gene 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
Other Designations	C polypeptide|OTTHUMP00000030960|TGase C|TGase-H|protein-glutamine-gamma-glutamyltransferase|tissue transglutaminase|transglutaminase 2|transglutaminase C

Disease

- Celiac Disease
- Diabetes Mellitus

- Exfoliation Syndrome
- Genetic Predisposition to Disease
- Glaucoma
- Schizophrenia