

Recombinant Mouse Tgm2 Protein (Ala2-Ala686), C-His tagged

Cat. No. Tgm2-6818M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TGM2 (Ala2-Ala686) fused with the C-terminal His tag was expressed in mammalian cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Ala2-Ala686
Description	Enables protein-glutamine gamma-glutamyltransferase activity. Involved in cellular calcium ion homeostasis; positive regulation of cell adhesion; and regulation of apoptotic cell clearance. Acts upstream of or within branching involved in salivary gland morphogenesis and salivary gland cavitation. Located in collagen-containing extracellular matrix. Is expressed in several structures, including alimentary system; central nervous system; cranium; genitourinary system; and sensory organ. Used to study maturity-onset diabetes of the young. Orthologous to human TGM2 (transglutaminase 2).
Form	Lyophilized powder/frozen liquid
Molecular Mass	75.35 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	Tgm2 transglutaminase 2, C polypeptide [Mus musculus (house mouse)]
Official Symbol	Tgm2
Synonyms	Tgm2; transglutaminase 2, C polypeptide; TG2; tTG; G[a]h; tTGas; TGase2; protein-glutamine gamma-glutamyltransferase 2; C polypeptide; TG (C); TGC; TGase C; TGase II; TGase-2; isopeptidase TGM2; protein-glutamine deamidase TGM2; protein-glutamine dopaminytransferase TGM2; protein-glutamine histaminytransferase TGM2; protein-glutamine noradrenalinytransferase TGM2; protein-glutamine serotonytransferase TGM2; protein-glutamine-gamma-glutamyltransferase; tissue transglutaminase; transglutaminase C; transglutaminase II; transglutaminase-2; EC 2.3.2.13; EC 3.5.1.44
Gene ID	21817
mRNA Refseq	NM_009373
Protein Refseq	NP_033399

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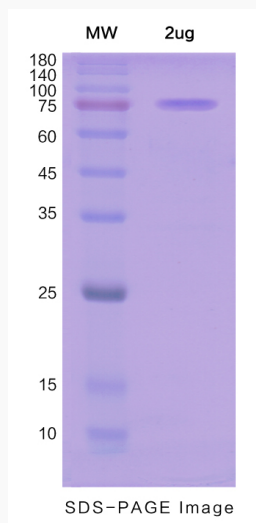
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UniProt ID

P21981

SDS-PAGE



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