

Recombinant Mouse Tgm2 Protein, His-tagged

Cat. No. Tgm2-7351M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Tgm2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-686
Description	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.
Form	Liquid
Molecular Mass	79.4 kDa
AA Sequence	<p>MGSSHHHHHHSSGLVPRGSHMGSM AEELLRLERCDLEIQANGRDHHTADLCQEKLV</p> <p>LRRGQRFRLTLYFEGRGYEASVDSLTFGAVTGPDPSEEAGTKARFSLSDNVEEGS</p> <p>WSASVLDQQDNVLSLQLCTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLYNAWCP</p> <p>ADDVYLDSEERREYVLTQQGFIYQGSVKFIKSVPNWFGQFEDGILDTCMLLD MNP</p> <p>KFLKNRSRDCSRRSSPIYVGRVVSAMVNCNDDQGVLLGRWDNNGDGISPM AWIG</p> <p>SVDILRRWKEHGCQQVKYGCWVFAAVACTVLRCLGIPTRVVTNNSAHDQNSNLL</p> <p>IEYFRNEFGELESNKSEMIWNFHCWVESWMTRPDLQPGYEGWQAIDPTPQEKSEG</p> <p>TYCCGPVSVRAIKEGDLSTKYDAPFVFAEVNADVVDWIRQEDGSLKSINRSLVVGQ</p> <p>KISTKSVGRDDREDITHYKYPEGSPEREVFTKANHLNKLAEKEETGVAMRIRVGD</p> <p>SMSGNDFDVF AHIGNDTSETRECRLLLCARTVSYNGVLGPECGTEDINLTLDPYSE</p>

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NSIPLRILYEKYSGLTESNLIKVRGLLIEPAANSYLLAERDLYLENPEIKIRVLGEPKQ
NRKLVAEVSLKNPLSDPLYDCIFTVEGAGLTKEQKSVEVSDPVPAGDLVKARVDLFP
TDIGLHKLVVNFQCDKLKSVKGYRNVIIIPA

Purity > 85 % by SDS-PAGE

Stability Shelf life: one year from despatch.

Storage Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.

Concentration 0.5 mg/mL (determined by Bradford assay)

Storage Buffer In Phosphate buffered saline (pH7.4) containing 10 % glycerol, 1 mM DTT.

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]; TGas; G[a]h; tTGas; TGase2; protein-glutamine gamma-glutamyltransferase 2; C polypeptide; TG(C); TGC; TGase C; TGase-2; protein-glutamine-gamma-glutamyltransferase; tissue transglutaminase; transglutaminase C; transglutaminase-2; EC 2.3.2.13

Gene ID 21817

mRNA Refseq NM_009373

Protein Refseq NP_033399

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UniProt ID **P21981**

SDS-PAGE



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