

Recombinant Mouse Tgm2 Protein, His-tagged

Cat. No. Tgm2-6396M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of Mouse transglutaminase 2, C polypeptide (Tgm2) with a C-His tag was expressed in HEK293.

Species Mouse

Source HEK293

Description Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.

Molecular Mass 78 kDa

AA Sequence

AEELLERCLEIQANGRDHHTADLCQEKLVLRRGQRFRLTYFEGRGYEASVDSL
FGAVTGPDPSEEAGTKARFSLSDNVEEGSWSASVLDQQDNVLSLQLCTPANAPIGL
YRLSLEASTGYQGSSFVLGHFILLYNWCPADDVYLDSEEERREYVLTQQGFIYQGS
VKFIKSVPNWFGQFEDGILDTCLMLLDMNPKFLKNRSRDCSRRSSPIYVGRVVSAMV
NCNDDQGVLLGRWDNNYGDGSPMAWIGSVDILRRWKEHGCQQVKYGCWVFAA
VACTVLRCLGIPTRVVTNNSAHDQNSNLLIEYFRNEFGELESNKSEMIWNFHCWVE
SWMTRPDLQPGYEGWQAIDPTPQEKSEGTYCCGPVSVRAIKEGDLSTKYDAPFVF
AEVNADVVDWIRQEDGSVLKSINRSLVVGQKISTKSVGRDDREDITHYKYPEGSPE
EREVFTKANHLNKLAEKEETGVAMRIRVGDSMSMGNDVFAHIGNDTSETRECL
LLCARTVSYNGVLGPEGCTEDINLTDPYSENSIPLRILYKEYSGCLTESNLIKVRGLLI
EPAANSYLLAERDLYLENPEIKIRVLGEPKQNRKLVAEVSLKNPLSDPLYDCIFTVEGA
GLTKEQKSVEVSDPVPAGDLVKARVDLFPDIDLHKLNVNFQCDKLSVKGYRNVIIIG
PAVDHHHHHH

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Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)
Purity	> 95% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Supplied as a 0.2 μM filtered solution of 20 mM TrisHCl, 150 mM NaCl, 20%Glycerol, pH 7.5

GENE INFORMATION

Gene Name	Tgm2 transglutaminase 2, C polypeptide [<i>Mus musculus</i> (house mouse)]
Official Symbol	Tgm2
Synonyms	TGM2; transglutaminase 2, C polypeptide; protein-glutamine gamma-glutamyltransferase 2; TGC; TG C; TG(C); TGase C; TGase-2; C polypeptide; transglutaminase C; transglutaminase-2; tissue transglutaminase; protein-glutamine-gamma-glutamyltransferase; TG2; tTG; G[a]h; tTGas; TGase2
Gene ID	21817
mRNA Refseq	NM_009373
Protein Refseq	NP_033399
UniProt ID	P21981

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