

## 32-8398: Recombinant Mouse Transglutaminase 2/TGM2 (C-6His)

**Gene :** Tgm2  
**Gene ID :** 21817  
**Uniprot ID :** P21981

### Description

Source: Human Cells.  
MW :78kD.

Recombinant Mouse Transglutaminase 2 is produced by our Mammalian expression system and the target gene encoding Ala2-Ala686 is expressed with a 6His tag at the C-terminus. Protein-glutamine gamma-glutamyltransferase 2 (TGM2) is a 78-kDa, calcium dependent enzyme, it belongs to the transglutaminase superfamily and transglutaminase family. The protein encoded by this TGM2 gene acts as a monomer, is induced by retinoic acid, and appears to be involved in apoptosis. TGM2 is the autoantigen implicated in celiac disease. Two transcript variants encoding different isoforms have been found for this gene.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 20% Glycerol, pH7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** AEELLERC DLEIQANGRDHHTADLCQEKLVLRRGQRFRLTLYFEGRGYEASVDSLTFGAVTGPDPSEEAGTKA  
RFSLSDNVEEGSWSASVLDQQDNVLSLQLCTPANAPIGLYRLSLEASTGYQGSSFVLGHFILLYNWCPADDVY  
LDSEEEERREYVLTQQGFYQGSVKFIKSVPNWFGQFEDGILDTCMLLDMNPKFLKNRSRDCSRRSSPIYVGRV  
VSAMVNCNDDQGVLLGRWDNNGYDGISPMWIGSVDILRRWKEHGCQVKYQGCWVFAAVACTVLRCLGI  
PTRVVTNYS AHDQNSNLLIEYFRNEFGELESNKSEMIWNFHCWVESWMTRPDLQPGYEGWQAIDPTPQEK  
EGTYCCGPVSVRAIKEGDLSTKYDAPFVFAEVNADVVDWIRQEDGSVLKINRSLVVGQKISTKSVGRDDREDI  
THTYKYPEGSPEEREVFTKANHLNKLAEKEETGVAMRIRVGDMSMGNDFDVFAHIGNDTSETRECRLLLCAR  
TVSYNGVLGPECGTEDINLTDLPYSENSIPLRILEKYSGLTESNLIKVRGLLIEPAANSYLLAERDLYLENPEIKIR  
VLGEPKQNRKLVAEVSLKNPLSDPLYDCIFTVEGAGLTKEQKSVEVSDPVPAGDLVKARVDLFPDITGLHKLTVN  
FQCDKLSVKGYRNVIIGPAVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.