

Recombinant Mouse TGM2 Protein

Catalog #	Source	Reactivity	Applications
CRP2380	Human cells	M	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse TGM2 Protein is produced by mammalian expression system and the target gene encoding Ala2-Ala686 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 7.5.		
Gene Symbol	TGM2		
Alternative Names	Protein-glutamine gamma-glutamyltransferase 2; Tissue transglutaminase; Transglutaminase C; TG(C); TGC; TGase C; Transglutaminase H; TGase H; Transglutaminase-2; TGase-2		
Entrez Gene	21817 (Mouse)		
SwissProt	P21981 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	AEELLERCD LEIQANGRDH HTADLCQEK LVLRRGQRFRL TLYFEGRGYE ASVDSLTFGA VTGPD PSEEA GTKARFSLSD NVEEGSWSAS VLDQQDNVLS LQLCTPANAP IGLYRLSLEA STGYQGSSSFV LGHFILLYNA WCPADDVYLD SEEERREYVL TQQGFIYQGS VKFIKSV PWN FGQFEDGILD TCLMLLD MNP KFLKNRSRDC SRRSSPIYVG RVVSAMVNCN DDQGVLLGRW DNNYGDGISP MAWIGSVDIL RRWKEHGCQQ VKYGQCWVFA AVACTVLRCL GIPTRVVTNY NSAHDQNSNL LIEYFRNEFG ELESNKSEMI WNFHCWVESW MTRPDLQPGY EGWQAIDPTP QEKSEGTYCC GPVSVRAIKE GDLSTKYDAP FVFAEVNADV VDWIRQEDGS VLKSINRSLV VGQKISTKSV GRDDREDITH TYKYPEGSPE EREVFTKANH LNKLAKEKET GVAMRIRVGD SMSMGNDFDV FAHIGNDTSE TRECRLLLCA RTVSYNGVLG PECGTEDINL		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

TLDPYSENSI PLRILYEKYS GCLTESNLIK VRGLLIEPAA NSYLLAERDL YLENPEIKIR

VLGEPKQNRK LVAEVSLKNP LSDPLYDCIF TVEGAGLTKE QKSVEVSDPV PAGDLVKARV

DLFPTDIGLH KLVVNFQCDK LKSVKGYRNV IIGPAVDHHH HHH

Quality Control

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

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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