

## Tissue Transglutaminase Mouse Recombinant

<b>Item Number</b>	rAP-1887
<b>Synonyms</b>	Protein-glutamine gamma-glutamyltransferase 2, G[a]h, TG2, TGase2, tTG, tTGas, Protein-glutamine gamma-glutamyltransferase 2, Tissue transglutaminase, Transglutaminase C.
<b>Description</b>	TGM2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 709 amino acids (1-686 a.a) and having a molecular mass of 79.4kDa. TGM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P21981
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSM AEELL ERCDLEIQAN GRDHHTADLC QEKLVLRRGQ RFRLTYFEG RGYEASVDSL TFGAVTGPDPSEEAG- TKARF SLSDNVEEGS WSASVLDQQD NVLSLQLCTP ANAPIGLYRL SLEASTGYQG SSFVLGHFIL LYNAW- CPADD VYLDSEEERR EYVLTQQGFI YQGSVKFIKS VPWNFGQFED GILDTCLMLL DMNPKFLKNR SRDCSRRSSP
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	TGM2 protein solution (0.5mg/ml) in Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 85% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**