



Recombinant Protein Technical Manual

**Recombinant Mouse TGM2/Transglutaminase 2
Protein (His Tag)**
RPES3489

Product Data:

Product SKU: RPES3489

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: P21981

Protein Information:

Molecular Mass: 78.0 kDa

AP Molecular Mass: 70-80 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 20% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein-glutamine gamma-glutamyltransferase 2; Tgm2; Tissue transglutaminase; Transglutaminase C; TGase-2

Immunogen Information:

Sequence: Ala2-Ala686

Background:

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.