

## Recombinant Mouse TGM2/Transglutaminase 2 Protein (His Tag)

Catalog Number: PKSM041171

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

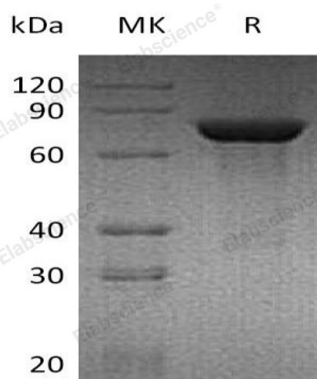
### Description

<b>Species</b>	Mouse
<b>Source</b>	HEK293 Cells-derived Mouse TGM2/Transglutaminase 2 protein Ala2-Ala686, with an C-terminal His
<b>Calculated MW</b>	78.0 kDa
<b>Observed MW</b>	70-90 kDa
<b>Accession</b>	P21981
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 20% Glycerol, pH 7.5.

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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.