

# Human TGM2 / Transglutaminase 2 (His Tag) recombinant protein



Catalog Number: 500025

## General Information

### Gene Name Synonym

Tissue transglutaminase; Transglutaminase C;  
Transglutaminase H; Transglutaminase-2

### Protein Construction

A DNA sequence encoding the human TGM2 (NP\_004604.2) (Met 1-Ala 687) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

His

### Molecular Mass

The recombinant human TGM2 consists of 705

amino acids and has a predicted molecular mass of 79.6 kDa. It migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions as estimated.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 2mM DTT, 10% glycerol, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

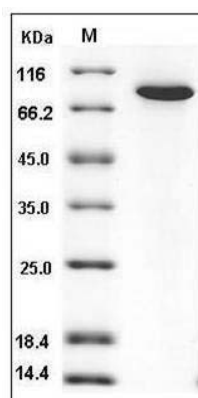
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human TGM2 / Transglutaminase 2 Protein (His Tag) SDS-PAGE