

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 μ 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°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

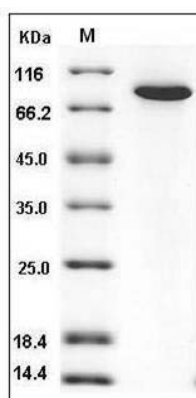
Storage

Store it under sterile conditions at -20°C to -80°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