# **Recombinant Human TGM2 Protein**

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Catalog No.: RP03152LQ Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 7052 P21980-1

**Tags** 

N-His

**Synonyms** 

TGM2; tTG; tTgase; TGC; TGase C; TGase II; TG2; G-ALPHA-h; GNAH; HEL-S-45; TGase-2; TGase-H; TGCGNAH

# **Product Information**

**Source** Purification E. coli ≥ 95% as

determined by Bis-Tris PAGE.

Calculated MW Observed MW

78.4 kDa 79 kDa

**Endotoxin** 

< 1 EU/µg of the protein by LAL method.

### **Formulation**

Supplied as  $0.22\mu m$  filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol pH 7.4.

### Reconstitution

# **Background**

Transglutaminase 2 (TGM2) is a member of the transglutaminase family, and it is reported to be associated with chemoresistance in various types of cancer. TGM2 was demonstrated to affect the chemosensitivity of osteosarcoma cells via regulation of the activation of mitogen-activated protein kinase and AKT serine/threonine kinase pathways.

### **Basic Information**

#### Description

Recombinant Human TGM2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala2-Ala687) of human TGM2 (Accession #) fused with a His tag at the N-terminus.

## **Bio-Activity**

Immobilized Human TGM2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TGM2 Antibody, hFc Tag with the EC50 of 9.3ng/ml determined by ELISA.

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

# Storage

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

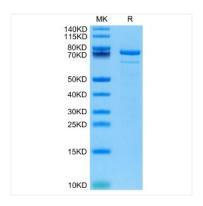
### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

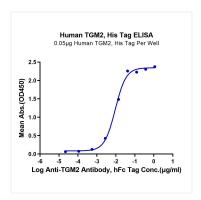
# **Contact**

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# **Validation Data**



Recombinant Human TGM2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human TGM2, His Tag at  $0.5\mu g/ml$  (100 $\mu l/well$ ) on the plate. Dose response curve for Anti-TGM2 Antibody, hFc Tag with the EC50 of 9.3ng/ml determined by ELISA.