

RP03152LQ

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# Recombinant Human TGM2 Protein

Catalog No.: RP03152LQ

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	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

*E. coli*

### Purification

### Endotoxin

< 1 EU/μg

### Formulation

Supplied as 0.22μm 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.

### Storage

Store at -70°C. This product is stable at ≤ -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.

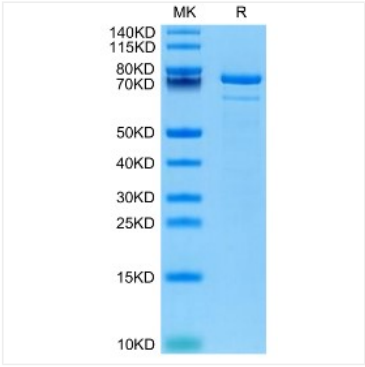
## Contact



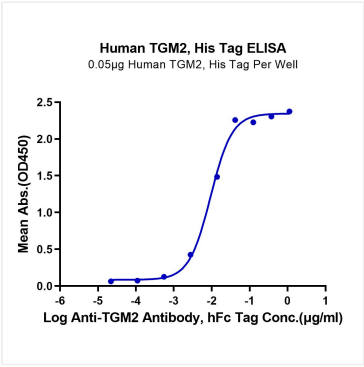
[www.abclonal.com](http://www.abclonal.com)

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human TGM2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-80 kDa.



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.