

Catalog No.: RP03152LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	7052	P21980-1

N-His

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

Source <i>E. coli</i>	Purification ≥ 95% as determined by Bis- Tris PAGE.
---------------------------------	---------------------------------------------------------------------

Calculated MW	Observed MW
78.4 kDa	79 kDa

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

Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol pH 7.4.

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.

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.

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.

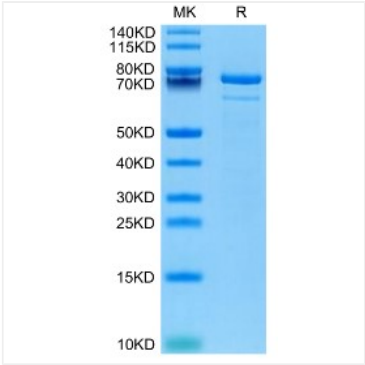
Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

 | 400-999-6126

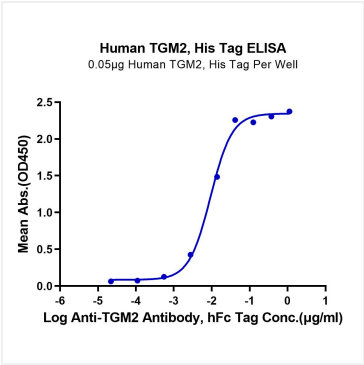
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Validation Data



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



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.