Recombinant Human TGM2 Protein

Catalog No.: RP03152LQ

Sequence Information

Species
Human

Gene ID
7052

Swiss Prot
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
≥ 95% as determined by Bis-Tris PAGE.

Calculated MW
78.4 kDa

Observed MW
79 kDa

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

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.

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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

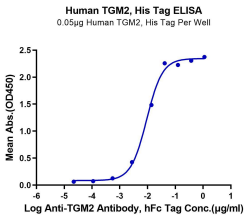
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

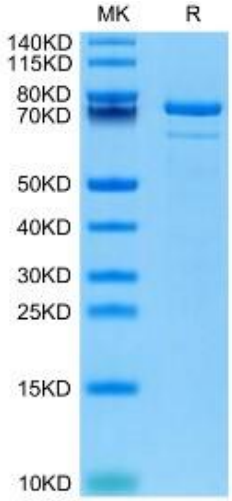
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Validation Data



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.



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