

Human TGM2 Protein

Cat. No. TGM-HE102

Description

Source	Recombinant Human TGM2 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Ala2-Ala687.
Accession	P21980-1
Molecular Weight	The protein has a predicted MW of 78.4 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

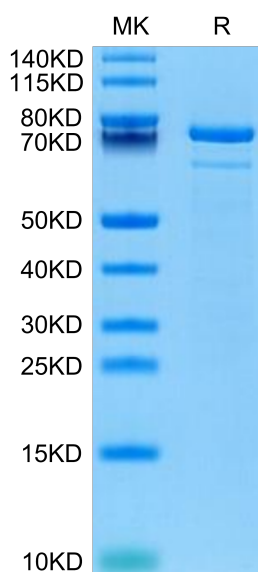
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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 mitogenactivated protein kinase and AKT serine/threonine kinase pathways.

Assay Data

Bis-Tris PAGE



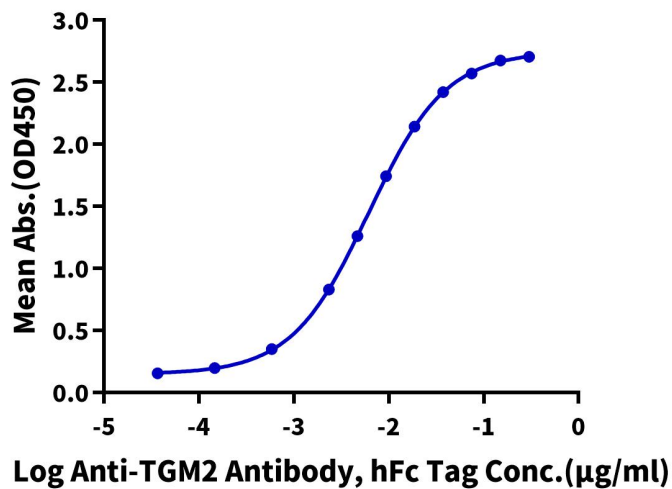
Human TGM2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human TGM2, His Tag ELISA

0.1µg Human TGM2, His Tag Per Well



Immobilized Human TGM2, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-TGM2 Antibody, hFc Tag with the EC50 of 6.1ng/ml determined by ELISA.