

Datasheet for ABIN7275723

**Transglutaminase 2 Protein (AA 2-687) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Transglutaminase 2 (TGM2)
Protein Characteristics:	AA 2-687
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Transglutaminase 2 protein is labelled with His tag.

## Product Details

Purpose:	Human TGM2 Protein
Sequence:	Ala2-Ala687
Characteristics:	Recombinant Human TGM2 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Ala2-Ala687.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	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. See testing image for detail.

## Target Details

Target:	Transglutaminase 2 (TGM2)
Alternative Name:	TGM2 ( <a href="#">TGM2 Products</a> )
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.
Molecular Weight:	78.4 kDa same as Tris-Bis PAGE result.
Pathways:	<a href="#">Tube Formation</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

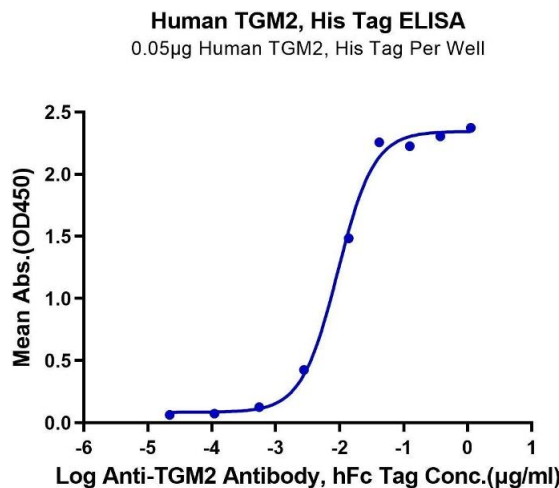
## Application Details

Restrictions:	For Research Use only
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## Handling

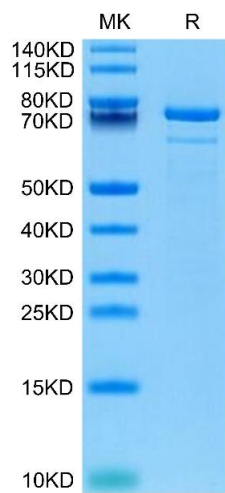
Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 20 mM Tris, 500 mM NaCl, 10 % Glycerol ( pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize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

## Images



### ELISA

**Image 1.** Immobilized Human TGM2, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-TGM2 Antibody, hFc Tag with the EC50 of 9.3 ng/mL determined by ELISA.



SDS-PAGE

**Image 2.** Human TGM2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .