

Recombinant Mouse TGM2 Protein

Catalog No.: RP03567

Sequence Information

Species	Gene ID
Mouse	
Swiss Prot	Tags
P21981	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	Purification
<i>E. coli</i>	> 95% as determined by HPLC

Calculated MW Observed MW

78.2 kDa 79 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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 mitogen-activated protein kinase and AKT serine/threonine kinase pathways.

Basic Information

Description

Recombinant Mouse TGM2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala2–Ala686) of Mouse TGM2 (Accession #) fused with a His tag at the N-terminus.

Activity

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 –20°C

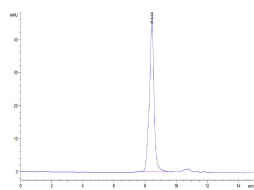
Operational Notes

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

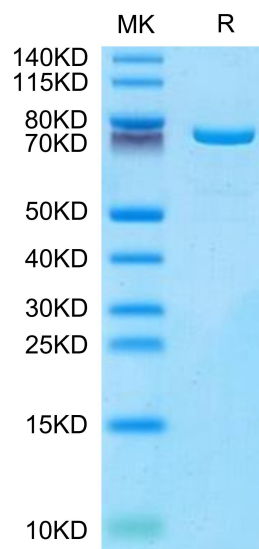
Contact

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

Validation Data



The purity of Mouse TGM2 is greater than 95% as determined by SEC-HPLC.



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