

Recombinant Human TGM1 protein, His & GST-tagged

Cat. No. TGM1-1781H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGM1 aa. (Ala496~Arg760 (Accession # P22735)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala496~Arg760
Description	The protein encoded by this gene is a membrane protein that catalyzes the addition of an alkyl group from an alkylamine to a glutamine residue of a protein, forming an alkylglutamine in the protein. This protein alkylation leads to crosslinking of proteins and catenation of polyamines to proteins. This gene contains either one or two copies of a 22 nt repeat unit in its 3' UTR. Mutations in this gene have been associated with autosomal recessive lamellar ichthyosis (LI) and nonbullous congenital ichthyosiform erythroderma (NCIE).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 61.1kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	TGM1 transglutaminase 1 [Homo sapiens (human)]
Official Symbol	TGM1
Synonyms	Tap2; transporter 2, ATP binding cassette subfamily B member; Cim; Abcb3; antigen peptide transporter 2; APT2; ATP-binding cassette sub-family B member 3; Transporter 2 ABC (ATP binding cassette); transporter 2 ATP-binding cassette sub-family B; transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
Gene ID	7051

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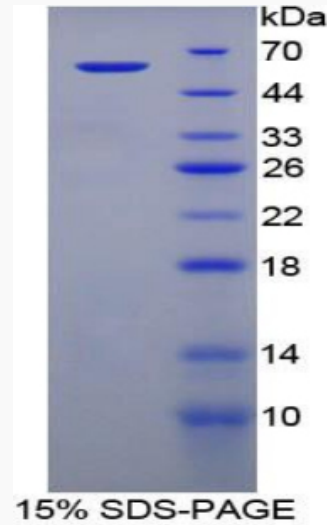
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mRNA Refseq [NM_000359.2](#)

Protein Refseq [NP_000350.1](#)

UniProt ID [P22735](#)



SDS-PAGE

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