

## Recombinant Dog TGM1 protein, His & GST-tagged

Cat. No. TGM1-1780D Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Dog TGM1 aa. (Gly562~Asn800 (Accession # Q9GLK0)) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Dog
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly562~Asn800
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 57.5kDa.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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

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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 [ *Canis lupus familiaris* (dog) ]

**Official Symbol**

TGM1

**Synonyms**

TAP2; transporter 2, ATP binding cassette subfamily B member; APT2; PSF2; ABC18; ABCB3; PSF-2; RING11; D6S217E; antigen peptide transporter 2; ABC transporter, MHC 2; ATP-binding cassette, sub-family B (MDR/TAP), member 3; peptide supply factor 2; peptide transporter PSF2; peptide transporter involved in antigen processing 2; really interesting new gene 11 protein; transporter 2, ABC (ATP binding cassette); transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)

**Gene ID**

403630

**mRNA Refseq**


NM\_001003079.1

**Protein Refseq**


NP\_001003079.1

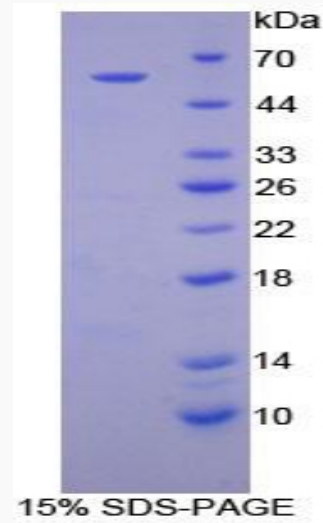
**UniProt ID**

Q9GLK0

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SDS-PAGE

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