

# Recombinant Transglutaminase 2 (TGM2) Instruction Manual

SIPB894Hu01

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Secreted
<b>Predicted Molecular Mass</b>	78.8kDa
<b>Accurate Molecular Mass</b>	100kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Ala687 with N-terminal His Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 97%
<b>Isoelectric Point</b>	4.8
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

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MAEELVLERC DLELETNGRD HHTADLCREK LVVRRGQPFW LTLHFEGRNY
EASVDSLTFV VVTGPAPSQE AGTKARFPLR DAVEEGDWTA TVVDQQDCTL
SLQLTTPANA PIGLYRLSLE ASTGYQGSSF VLGHFILLFN AWC PADAVYL
DSEEEERQEYV LTQQGFIYQG SAKFIKNIPW NFGQFEDGIL DICLILLDVN
PKFLKNAGR D CSRRSSPVYV GRVVSGMVNC NDDQGVLLGR WDNNYGDGVS
PMSWIGSVDI LRRWKNHGCQ RVKYGQCWVF AAVACTVLRC LGIPTRVVTN
YNSAHDQNSN LLIEYFRNEF GEIQGDKSEM IWNFHCWVES WMTRPDLQPG
YEGWQALDPT PQEKSEGTYC CGPVPVRAIK EGD LSTKYDA PFVFAEVNAD
VVDWIQQDDG SVHKSINRSL IVGLKISTKS VGRDEREDIT HTYKYPEGSS
EEREAFTRAN HLNKLAKEE TGMAMRIRVG QSMNMGSDFD VFAHITNNTA
EEYVCRLLLC ARTVSYNGIL GPECGTKYLL NLNLEPFSEK SVPLCILYEK
YRDCLTESNL IKVRALLVEP VINSYLLAER DLYLENPEIK IRILGEPKQK
RKLVAEVS LQ NPLPVALEGC TFTVEGAGLT EEQKTVEIPD PVEAGEEVKV
RMDLLPLHMG LHKLVVNFES DKLKAVKGF R NVIIGPA
```

## USAGE

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.3 mg/mL. Do not vortex.

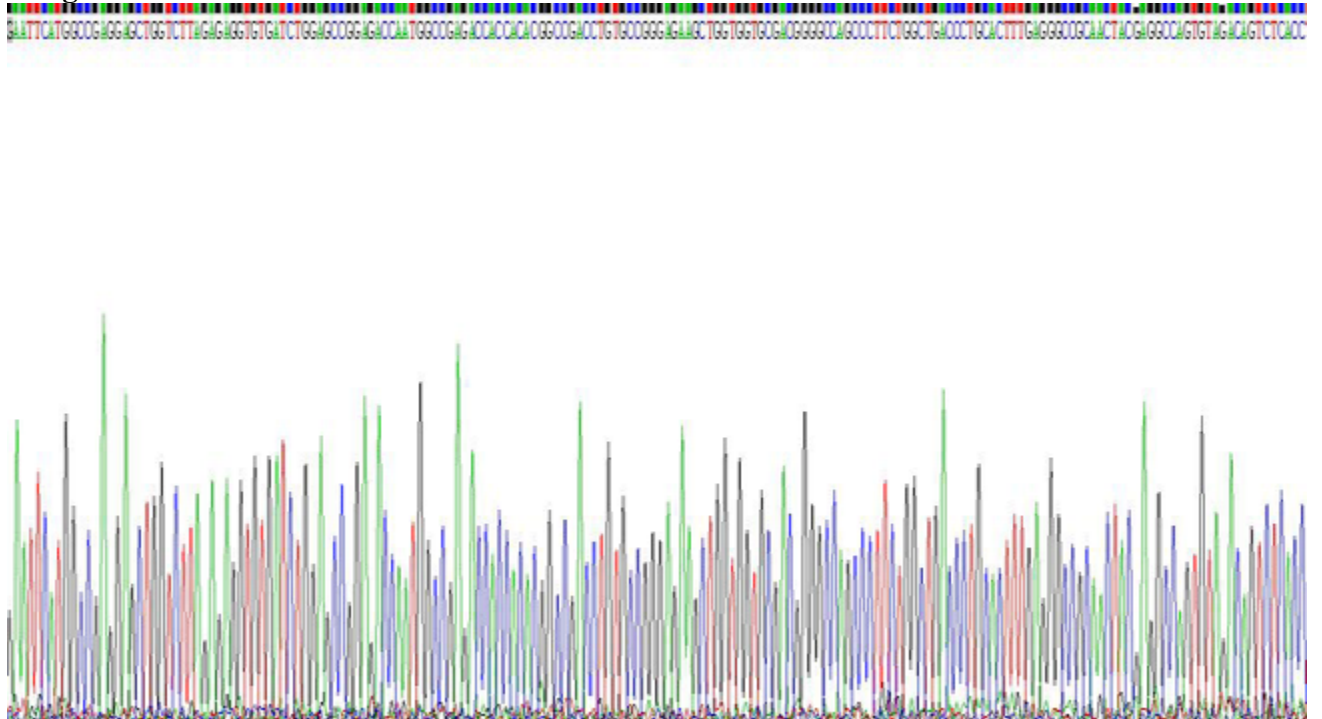
## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image



SDS-PAGE Image

## **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.