

**RPB773Hu02 10µg**

**Recombinant Transglutaminase 1 (TGM1)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

**FOR RESEARCH USE ONLY**

**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Ser467~Ala817

**Tags:** N-terminal His Tag

**Subcellular Location:** Membrane

**Purity:** > 80%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Original Concentration:** 80µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.6

**Predicted Molecular Mass:** 41.7kDa

**Accurate Molecular Mass:** 42kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

## **[ SEQUENCE ]**

SGIF	CCGPCSVESI	KNGLVYMKYD	TPFIFAEVNS	DKVYWQRQDD	GSFKIVYVEE
KAIGTLIVTK	AISSNMREDI	TYLYKHPEGS	DAERKAVETA	AAHGSKPNVY	ANRGS AEDVA
MQVEAQDAVM	GQDLMVSVML	INHSSSRRTV	KLHLYLSVTF	YTGVS GTIFK	ETKKEVELAP
GASDRV TMPV	AYKEYRPHLV	DQGAMLLNVS	GHVKESGQVL	AKQHTFRLRT	PDLSLTLLGA
AVVGQECEVQ	IVFKNPLPVT	LTNVVFRLEG	SGLQRPKILN	VGDIGGNETV	TLRQSFVPVR
PGPRQLIASL	DSPQLSQVHG	VIQVDVAPAP	GDGGFFSDAG	GDSHLGETIP	MASRGGA

## [ IDENTIFICATION ]

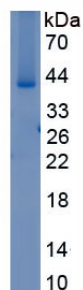


Figure. SDS-PAGE

## [ 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.