

RPA355Mu01 10µg

Recombinant Thyroglobulin (TG)

Organism Species: Mus musculus (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Ser2418~Asn2660

Tags: N-terminal His-Tag

Tissue Specificity: Thyroid.

Subcellular Location: Secreted.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200µg/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: 7.8

Predicted Molecular Mass: 30.7kDa

Accurate Molecular Mass: 27kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 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]

	SPA	AIISPERAQQ	QAAALAKEVG	CPTSSIQEVV
SCLRQKPANI	LNDATKLLA	VSGPFHYWGP	VVDGQYLREL	PSRRLKRPLP
VKVDLLIGGS	QDDGLINRAK	AVKQFEESQG	RTNSKTAFYQ	ALQNSLGGED
SDARILAAAV	WYYSLEHSTD	DYASFSALE	NATRDYFIIC	PMVNMAASLWA
RRTRGNVFMV	HPESYGHGS	LELLADVQYA	FGLPFYSAYQ	GQFSTEEQSL
SLKVMQYFSN				

[IDENTIFICATION]

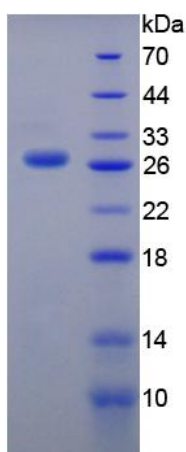


Figure 1. SDS-PAGE