



RPC828Mu01 50µg
Recombinant Tripeptidyl Peptidase I (TPP1)
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: Gly198~Pro562

Tags: N-terminal His-Tag

Tissue Specificity: Heart, Placenta.

Subcellular Location: Lysosome. Melanosome.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 100mM NaHCO₃, 500mM NaCl, pH8.3, 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: 5.9

Predicted Molecular Mass: 43.2kDa

Accurate Molecular Mass: 43kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) 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]

				GVT
PSVLRQRYNL	TAKDVGSGTT	NNSQACAQFL	EQYFHNSDLT	EFMRLFGGSF
THQASVAKVV	GKQGRGRAGI	EASLDVEYLM	SAGANISTWV	YSSPGRHEAQ
EPFLQWLLLL	SNESLPHVH	TVSYGDDEDS	LSSIYIQRVN	TEFMKAAARG
LTLFASGDT	GAGCWSVSGR	HKFRPSFPAS	SPYVTTVGGT	SFKNPFLITD
EVVDYISGGG	FSNVFPRPPY	QEEAVAQFLK	SSSHLPPSSY	FNASGRAYPD
VAALSDGYWV	VSNMVPPIWV	SGTSASTPVF	GGILSLINEH	RILNGRPPLG
FLNPRLYQQH	GTGLFDVTHG	CHECLNEEV	EGQGFCSGPG	WDPVTGWGTP
NFPALLKTLL	NP			

[IDENTIFICATION]

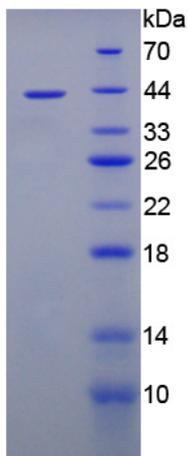


Figure 1. SDS-PAGE