RPA165Ra01 50µg

Recombinant Pepsinogen A (PGA)

Organism Species: *Rattus norvegicus (Rat)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Leu16~Ala387

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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: 5.6

Predicted Molecular Mass: 42.1kDa

Accurate Molecular Mass: 40kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8⁰C for one month.

Aliquot and store at -80⁰C 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]

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        LVKIP LMKIKSMREN LRESHMLKDY LEKYPRSRAH
VLLEQRRNPS VTYEPMRNYL DLVYIGTISI GTPPQEFKVV LDTGSSDLWV
PSIYCSSPAC AHHKVFNPLQ SSTFLVSGRP VNVAYGSGEM SGFLAYDTVK
IGDLTVVAQA FGLSLEEPGR FMEHAVFDGI LGLGYPNLGL QGVTPVFDNL
WIQGLIPQNL FAFYLSSKDE KGSVLMLGGV DPSYYHGELH WVPVSKPSYW
QLAVDSISMN GEIIACDGGC QGIMDTGTSL VTGPRSSILN IQNLIGAKAS
GDGEYFLKCD TINTLPDIVF TIDSVTYPVP ASAYIRKDHS HNCRSNFEES
TDDPSDPELW VLGDVFLRLY FTVFDRANNR IGLASAA
```

[__IDENTIFICATION__]

15% SDS-PAGE
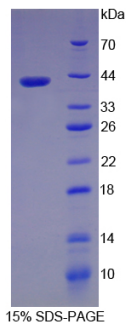
[__IMPORTANT NOTE__]

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.