

RPD611Ra01 100µg

Recombinant Protein Tyrosine Phosphatase Receptor Type N2 (PTPRN2)

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: Arg28~Lys600

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 80%

Traits: Freeze-dried powder

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

Original Concentration: 100µg/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: 5.0

Predicted Molecular Mass: 67.7kDa

Accurate Molecular Mass: 65kDa 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 2-8°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]

```

RGR QLPGR LGCLF EDGLCGSLET
CVNDGVFGRC QKVPVMDTYR YEVPVPGALLH LKVT LQKLSR TGFTWQDDYT
QRVIAQELAN LPKAYLWHGE ASGPARS LQQ NADNEKWFSL EREVALAKTL
RRYLPYLELL SQTPTANAHS RIDHET RPAK GEDSSPENIL TYVAHTSALT
YPPATRAKYP DNLLRPFSRL QPDELS PKVD GDIDKQKLIA ALGAYTAQRL
PGENDPEPRY LVHGSARAPR PFSATALSQR WPPPPGDAKD SPSMDDDTLL
QSLLKDLQQN SEVDRLGPLK EEKADSVAGA IQSDPAEGSQ ESHGRGAEGQ
PREQTDAPET MLQDHR LSEV DDPVYKEVNR LSFQLG DLLK DYGSPLLPEG
PLLEKSSREE IKKSEQPEEV LSSEETAGV EHVRSRTYSK DLFERKPNSE
PQPRRLEDQF QNRAPELWED EESLKLA AQG PPSGGLQLEV QPSEEQQGYI
LTGNNPLSPE KGKQLMDQVA HILRVPSSFF ADIKVLGPAV TFKVSANIQN
MTTADV IKA ADNKDQLEKA TGLTILQSGI RPKGKLLLP HQEEQEDSTK

```

[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.