

RPD046Ra01 50µg

Recombinant Natriuretic Peptide Receptor 3 (NPR3)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ala45~Pro467

Tags: N-terminal His Tag

Subcellular Location: Membrane

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 700µg/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: 6.2

Predicted Molecular Mass: 53.6kDa

Accurate Molecular Mass: 54kDa 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]

LVLLPRDDSY LFSLARVRPA IEYALRSVEG NGTGRKLLPP GTRFQVAYED
 SDCGNRALFS LVDRVAAARG AKPDLILGPV CEYAAAPVAR LASHWDL PML
 SAGALAAGFQ HKDTEYSHLT RVAPAYAKMG EMLALFRHH HWSRAALLY
 DDKLERN CYF TLEGVHEVFQ EEGLHTSAYN FDETKDL DLD DIVRYIQGSE
 RVVIMCASGD TIRRI MLAVH RHGMTSGDYA FFNIELFNSS SYGDGSWKRG
 DKHDFEAKQA YSSLQTVTLL RTAKPEFEKF SMEVKSSVEK QGLNEEDYVN
 MFVEGFHDAI LLYVLALHEV LRAGYSKKDG GKIIQQTWNR TFEG IAGQVS
 IDANGDRYGD FSVVAMTDE AGTQEVIGDY FGKEGRFKMR SNVKYPWGS
 LKRIDETRIV EHTNSSP

[IDENTIFICATION]

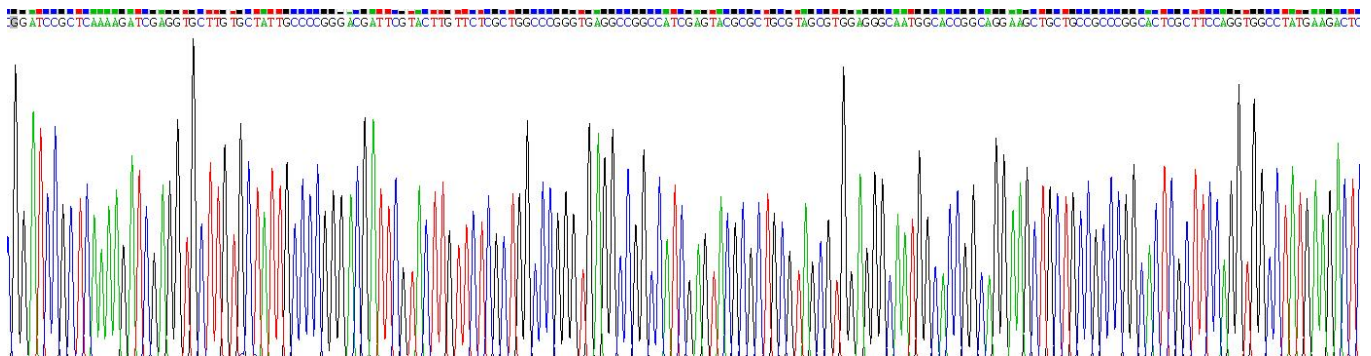


Figure . Gene Sequencing (extract)

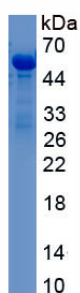


Figure. SDS-PAGE

[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.