

RPB924Mu01 100ug
Recombinant NADPH Oxidase 4 (NOX4)
Organism Species: *Mus musculus* (Mouse)
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: Gly210~Ser578

Tags: N-terminal His Tag

Subcellular Location: Membrane, Endoplasmic reticulum lumen

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

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: 8.7

Predicted Molecular Mass: 46.7kDa

Accurate Molecular Mass: 43kDa 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]

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G GLLKYQTNVD THPPGCISLN QTSSQNMSIP DYVSEHFHGS
LPRGFSKLED RYQKTLVKIC LEEPKFQAHF PQTWIWISGP LCLYCAERLY
RCIRSNKPVT IISVINHPSD VMELRMIKEN FKARPGQYII LHCPVSVALE
NHPFTLMCP TETKATFGVH FKVVGDWTER FRDLLLPSS QDSEILPFIH
SRNYPKLYID GPFGSPFEES LNYEVSVCVA GGIGVTPFAS ILNTLLDDWK
PYKLRRLYFI WVCARDIQSFQ WFADLLCVLH NKFWQENRPD FVNIQLYLSQ
TDGIQKIIGE KYHTLNSRLF IGRPRWKLLF DEIAKCNRGK TVGVFCCGPS
SISKTLHSLN NRNNSYGTKF EYNKESFS
  
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[IDENTIFICATION]

GGLLKYQTNVD
THPPGCISLN
QTSSQNMSIP
DYVSEHFHGS

LPRGFSKLED
RYQKTLVKIC
LEEPKFQAHF
PQTWIWISGP
LCLYCAERLY

RCIRSNKPVT
IISVINHPSD
VMELRMIKEN
FKARPGQYII
LHCPSVSALE

NHPFTLMCP
TETKATFGVH
FKVVGDWTER
FRDLLLPPSS
QDSEILPFIH

SRNYPKLYID
GPFGSPFEES
LNYEVSLCVA
GGIGVTPFAS
ILNTLLDDWK

PYKLRRLYFI
WVCRDIQSFQ
WFADLLCVLH
NKFWQENRPD
FVNIQLYLSQ

TDGIQKIIGE
KYHTLNSRLF
IGRPRWKLLF
DEIAKCNRGK
TVGVFCCGPS

SISKTLHSLS
NRNNSYGTKF
EYNKESFS

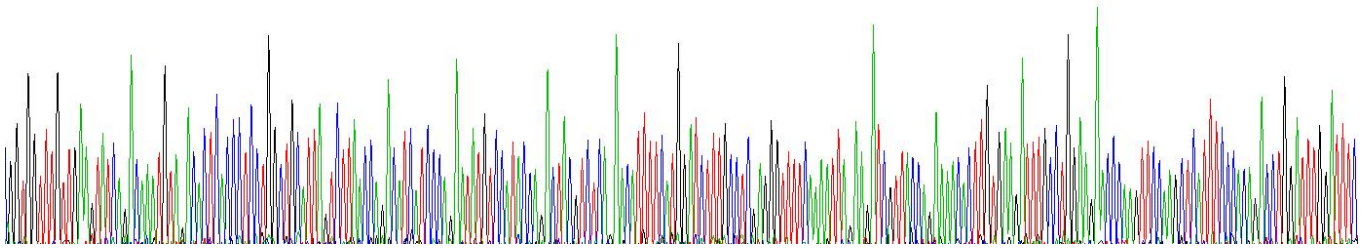


Figure. Gene Sequencing (Extract)

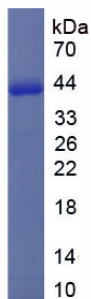


Figure. SDS-PAGE

[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.