

RPB924Mu01 50µg

Recombinant Nicotinamide Adenine Dinucleotide Phosphate 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]

G	GLLKYQTNVD	THPPGCISLN	QTSSQNMSIP	DYVSEHFHGS
LPRGFSKLED	RYQKTLVKIC	LEEPKFQAHF	PQTIWIISGP	LCLYCAERLY
RCIRSNNKPT	IISVINHPSD	VMELRMIKEN	FKARPGQYII	LHCPSSVSALE
NHPFTLT MCP	TETKATFGVH	FKVVGDWTER	FRDLLLPSS	QDSEILPFIH
SRNYPKLYID	GPFGSPFEES	LNYESVLCVA	GGIGVTPFAS	ILNTLLDDWK
PYKLRRLYFI	WVCRDIQSFQ	WFADLLCVLH	NKFWQENRPD	FVNIQLYLSQ
TDGIQKIIGE	KYHTLNSRLF	IGRPRWKLLF	DEIAKCNRGK	TVGVFCCGPS
SISKTLHSL	NRNNSYGTKF	EYNKESFS		

[IDENTIFICATION]

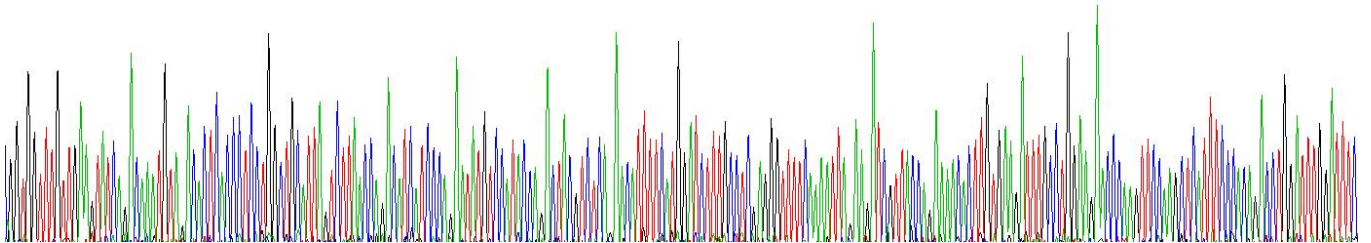


Figure. Gene Sequencing (Extract)

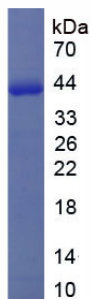


Figure. SDS-PAGE

[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.