

Recombinant NADPH Oxidase 4 (NOX4) Instruction Manual

SIPB485Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Endoplasmic reticulum lumen
Predicted Molecular Mass	46.7kDa
Accurate Molecular Mass	43kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly210~Ser578 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	8.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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G  GLLKYQTNVD  THPPGCISLN  QTSSQNMSIP  DYVSEHFHGS
LPRGFSKLED  RYQKTLVKIC  LEEPKFQAHF  PQTWIWISGP  LCLYCAERLY
RCIRSNKPVT  IISVINHPSD  VMELRMIKEN  FKARPGQYII  LHCPSVSALE
NHPFTLT MCP  TETKATFGVH  FKVVGDWTER  FRDLLLPPSS  QDSEILPFIH
SRNYPKLYID  GPFGSPFEES  LNYEVSLCVA  GGIGVTPFAS  ILNTLLDDWK
PYKLRRLYFI  WCRDIQSFQ  WFADLLCVLH  NKFWQENRPD  FVNIQLYLSQ
TDGIQKIIGE  KYHTLNSRLF  IGRPRWKLLF  DEIAKCNRGK  TVGVFCCGPS
SISKTLHSL  S  NRRNNSYGTKF  EYNKESFS
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

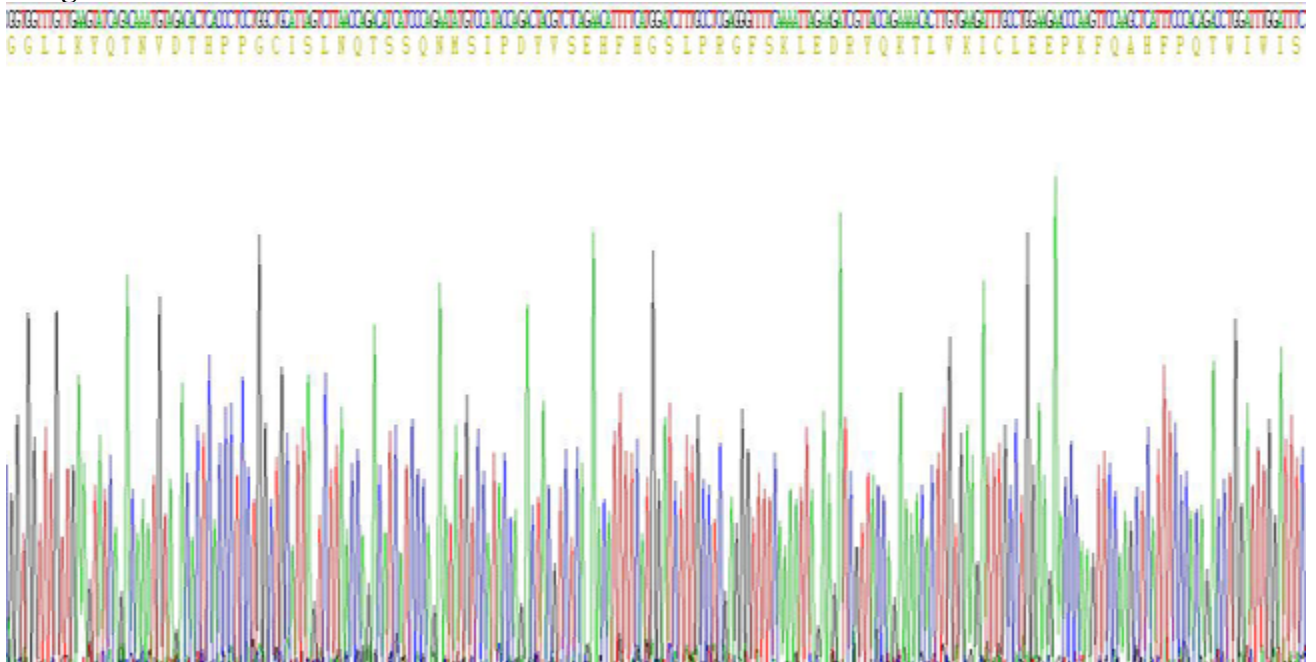


Figure. SDS-PAGE

[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.