

Recombinant Nicotinamide Adenine Dinucleotide Phosphate Oxidase 5 (NOX5) Instruction Manual

SIPA809Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	39.6kDa
Accurate Molecular Mass	40kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser456~Phe765 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	9.8
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
SKVTH LLIKRPFFH YRPGDYLYLN IPTIARYEWH PFTISSAPEQ
KDTIWLHIRS QGQWTNRLYE SFKASDPLGR GSKRLRSVT MRKSQRSSKG
SEILLEKHKF CNIKCYIDGP YGTPTRRIFA SEHAVLIGAG IGITPFASIL
QSIMYRHQKR KHTCPCQHS WIEGVQDNMK LHKVDFIWIN RDQRSFEWFV
SLLTKLEMDQ AEEAQYGRFL ELHMYMTSAL GKNDMKAIGL QMALDLLANK
EKKDSITGLQ TRTQPGRPDW SKVFQKVAEE KKGKVQVFFC GSPALAKVLK
GHCEKFGFRF FQENF
```

USAGE

Reconstitute in ddH₂O 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

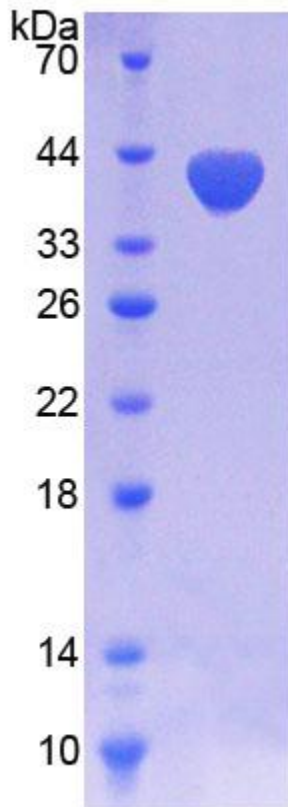


Figure. SDS-PAGE

[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.