



Recombinant Human NOX4 Protein Product Manual

1. Product Basic Information

Product No.: REP07618

Protein Name: Kidney Superoxide-Producing NADPH Oxidase (NOX4)

Aliases: KOX; KOX-RENOX; kidney superoxide-producing NADPH oxidase

UniProt ID: Q9NPH5

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9NPH5/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (210-424aa)

Molecular Weight: 28.8 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (210-424aa)

GGLLK YQTNLDT HPPGCISL NRTSSQN ISLPEYF SEHFHEP FPEGFSK PAEFTQH KF
VKICME EPRFQAN FPQTLWL WISGPLC LYCAERL YRYIRSN KPVTIIS VMSHPSD VMEI
RMVKEN FKARPG QYITLHC PSVSALEN HPFTLTM CPTETKA TFGVHLK IVGDWTER
FRDLLLP PSSQDSE ILPFIQSR NYPKLYI DGPFGSP FEESLN YE

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human NOX4 partial protein (210-424aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. NOX4, also known as KOX or KOX-RENOX or kidney superoxide-producing NADPH oxidase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.