

Datasheet for ABIN7554747
NOX1 Protein (AA 1-564) (His tag)



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Overview

Quantity:	1 mg
Target:	NOX1
Protein Characteristics:	AA 1-564
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOX1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NOX1 Protein expressed in mammalian cells.
Sequence:	MGNWVVNHWF SVLFLVWLG LNVFLVDAF LKYEKADKYY YTRKILGSTL ACARASALCL NFNSTLILLP VCRNLLSFLR GTCSFCSRTL RKQLDHNLTf HKLVAymicL HTAIHIIAHL FNFDCYSRSR QATDGLASI LSSLHDEKK GGSWLNPIQS RNTTVEYVTF TSIAGLTGVI MTIALILMVT SATEFIRRSY FEVFWYTHHL FIFYLGLGI HGIGGIVRGQ TEESMNESHp RKCAESFEMW DDRDSHCRRP KFEGHPPESW KWILAPVILY ICERILRFYR SQQKVITKV VMHPSKVLEL QMNKRGSME VGQYIFVNCP SISLLEWHPF TLTSAPEDF FSIHIRAAGD WTENLIRAFE QQYSPIPRIE VDGPFGTASE DVFQYEVAVL VGAGIGVTPF ASILKSIWYK FQCADHNLKT KKIYFYWICR ETGAFSWFNN LLTSLEQEME ELGKVGFLNY RLFLTGWDSN IVGHAALNFD KATDIVTGLK QKTSFGRPMW DNEFSTIATS HPKSVWGVFL CGPRTLAKSL RKCCHRYSsl DPRKVQYFN KENF Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: NOX1

Alternative Name: NOX1 ([NOX1 Products](#))

Background: NADPH oxidase 1 (NOX-1) (EC 1.6.3.-) (Mitogenic oxidase 1) (MOX-1) (NADH/NADPH mitogenic oxidase subunit P65-MOX) (NOH-1),FUNCTION: NADPH oxidase that catalyzes the generation of superoxide from molecular oxygen utilizing NADPH as an electron donor. {ECO:0000269|PubMed:14617635, ECO:0000269|PubMed:16329988, ECO:0000269|PubMed:16636067, ECO:0000269|PubMed:19755710}., FUNCTION: [Isoform NOH-1L]: NADPH oxidase that catalyzes the generation of superoxide from molecular oxygen utilizing NADPH as an electron donor. {ECO:0000269|PubMed:10485709}., FUNCTION: [Isoform NOH-1S]: Voltage-gated proton channel that mediates the H(+) currents of resting phagocytes and other tissues. It participates in the regulation of cellular pH and is blocked by zinc. {ECO:0000269|PubMed:10615049}.

Molecular Weight: 64.9 kDa

Target Details

UniProt: [Q9Y5S8](#)

Pathways: [Regulation of Systemic Arterial Blood Pressure by Hormones, Proton Transport](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
