

Datasheet for ABIN7549897
NOX3 Protein (AA 1-568) (His tag)



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Overview

Quantity:	1 mg
Target:	NOX3
Protein Characteristics:	AA 1-568
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOX3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NOX3 Protein expressed in mammalian cells.
Sequence:	MMGCWILNEG LSTILVLSWL GINFYLFIDT FYWYEEEEESF HYTRVILGST LAWARASALC LNFNCMLILI PVSRNLISFI RGTSICCRGP WRRQLDKNLR FHKLVAIGIA VNATIHIVAH FFNLERYHWS QSEEAQGLLA ALSKLGNTPN ESYLNPVRTF PTNTTTELLR TIAGVTGLVI SLALVLIMTS STEFIRQASY ELFWYTHHVF IVFFLSLAIH GTGRIVRGQT QDSLSLHNIT FCRDRYAEWQ TVAQCPVPQF SGKEPSAWKW ILGPVVLYAC ERIIRFWRFQ QEVVITKVVS HPSGVLELHM KKRGFKMAPG QYILVQCPAI SSLEWHPFTL TSAPQEDFFS VHIRAAGDWT AALLEAFGAE GQALQEPWSL PRLAVDGPFG TALTDVFHYP VCVCVAAGIG VTPFAALLKS IWYKCSEAQT PLKLSKVYFY WICRDARAFE WFADLLLSLE TRMSEQGKTH FLSYHIFLTG WDENQALHIA LHWDENTDVI TGLKQKTFYG RPNWNNEFKQ IAYNHPSSSI GVFFCGPKAL SRTLQKMCHL YSSADPRGVH FYYNKESF 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

Product Details

contact us.

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: NOX3

Alternative Name: NOX3 ([NOX3 Products](#))

Background: NADPH oxidase 3 (EC 1.6.3.-) (Mitogenic oxidase 2) (MOX-2) (gp91phox homolog 3) (GP91-3),FUNCTION: NADPH oxidase that catalyzes the generation of superoxide from molecular oxygen utilizing NADPH as an electron donor, upon formation of a complex with CYBA/p22phox (PubMed:15181005, PubMed:15824103). Plays a role in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity (By similarity). {ECO:0000250|UniProtKB:Q672J9, ECO:0000269|PubMed:15181005, ECO:0000269|PubMed:15824103}.

Molecular Weight: 64.9 kDa

UniProt: [Q9HBY0](#)

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
