

Datasheet for ABIN7549841
NOXO1 Protein (AA 1-376) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NOXO1
Protein Characteristics:	AA 1-376
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOXO1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NOXO1 Protein expressed in mammalian cells.
Sequence:	MAGPRYPVSV QGAALVQIKR LQTFAFSVRW SDGSDTFVRR SWDEFRQLKK TLKETFPVEA GLLRRSDRVL PKLLGQASLD APLLGRVGRS SRGLARLQLL ETYSRLLAT AERVARSPIT TGFFAPQLD LEPALPPGSR VILPTPEEQP LSRAAGRLSI HSLEAQLRC LQPFCTQDTR DRPFQAQAE SLDVLLRHPS GWWLVENEDR QTAWFPAPYL EEAAPGQGRE GGPSLGSSGP QFCASRAYES SRADELSVPA GARVRVLETS DRGWWLCRYG DRAGLLPAVL LRPEGLGALL SGTGFRGGDD PAGEARGFPE PSQATAPPPT VPTRPSPGAI QSRCCTVTRR ALERRPRRQG RPRGCVDSVP HPTTEQ 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.
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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	NOX01
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Alternative Name:	NOX01 (NOX01 Products)
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Background:	NADPH oxidase organizer 1 (NADPH oxidase regulatory protein) (Nox organizer 1) (Nox-organizing protein 1) (SH3 and PX domain-containing protein 5),FUNCTION: Constitutively potentiates the superoxide-generating activity of NOX1 and NOX3 and is required for the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Isoform 3 is more potent than isoform 1 in activating NOX3. Together with NOXA1, may also substitute to NCF1/p47phox and NCF2/p67phox in supporting the phagocyte NOX2/gp91phox superoxide-generating activity. {ECO:0000269 PubMed:12657628, ECO:0000269 PubMed:14617635, ECO:0000269 PubMed:15326186, ECO:0000269 PubMed:15824103, ECO:0000269 PubMed:15949904, ECO:0000269 PubMed:16329988, ECO:0000269 PubMed:17126813, ECO:0000269 PubMed:19755710}.
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Molecular Weight:	41.3 kDa
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UniProt:	Q8NFA2
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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
