

Datasheet for ABIN7549691
NCF1 Protein (AA 1-390) (His tag)



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Overview

Quantity:	1 mg
Target:	NCF1
Protein Characteristics:	AA 1-390
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat NCF1 Protein expressed in mammalian cells.
Sequence:	<p>MGDTFIRHIA LLGF EKRFVP SQHYVYMFLV KWQDLSEKVV YRRFTEIYEF HKTLKEMFPI</p> <p>EAGAINPENR IIPHLPAKW FDGQRAAENR QGTLTEYCST LMSLPTKISR CPHLLDFFKV</p> <p>RPDDLKLPTD NQTKKPETYL MPKDGKSTAT DITGPILQT YRAIANYEKT SGSEMASTG</p> <p>DVVEVVEKSE SGWWFCQMKA KRGWIPASFL EPLDSPDETE DPEPNYAGEP YVAIKAYTAV</p> <p>EGDEVSLLEG EAVEVIHKLL DGWWVIRKDD VTGYFPSMYL QKSGQDVSQA QRQIKRGAPP</p> <p>RRSSIRNAHS IHQRSRKRLS QDAYRRNSVR FLQRRRRQAR PGPQSPGSPL EEERQTQRSK</p> <p>PQPAVPPRPS ADLILNRCSE STKRKLASAV 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.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	NCF1
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Alternative Name:	NCF1 (NCF1 Products)
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Background:	Neutrophil cytosol factor 1 (NCF-1) (47 kDa autosomal chronic granulomatous disease protein) (47 kDa neutrophil oxidase factor) (NCF-47K) (Neutrophil NADPH oxidase factor 1) (Nox organizer 2) (Nox-organizing protein 2) (SH3 and PX domain-containing protein 1A) (p47-phox),FUNCTION: NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production). {ECO:0000269 PubMed:19801500, ECO:0000269 PubMed:2547247, ECO:0000269 PubMed:2550933}.
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Molecular Weight:	44.7 kDa
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UniProt:	P14598
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Pathways:	PI3K-Akt Signaling
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. 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