Datasheet for ABIN7597042
NOX1 Protein (DYKDDDDK Tag,Strep Tag)

Overview

Quantity:	10 μg
Target:	NOX1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This NOX1 protein is labelled with DYKDDDDK Tag,Strep Tag.
Application:	Immunogen (Imm), ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human NOX1-Strep full length protein-synthetic nanodisc

Target Details

Target:	NOX1
Alternative Name:	NOX1 (NOX1 Products)
Background:	GP91-2, MOX1, NOH-1, NOH1 This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]
Molecular Weight:	The human full length NOX1-Strep protein has a MW of 64.9 kDa

Target Details

UniProt:	Q9Y5S8
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Proton Transport

Application Details

Comment:	Advantages: • Highly purified membrane proteins • High solubility in aqueous solutions • High stability • Proteins are in a native membrane environment and remain biologically active • No detergent and can be used for cell-based assays • No MSP backbone proteins • Mammalian cell expression system ensures post- translational modifications
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months