

# Product Information

## MemDX™ Membrane Protein Human NOX5 (NADPH oxidase 5) Full Length

Cat. No.: **MPC0674K**

This product is for research use only and is not intended for diagnostic use.

This product is a 86.4 kDa Human NOX5 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

NOX5

#### Protein Length

Full length

#### Protein Class

Transporter; Ion channel

#### Molecular Weight

86.4 kDa

#### TMD

7

#### Sequence

MNTSGDPAQTGPEGCRGTMSAEEDARWLRWVTQQFKTIAGEDGEISLQEF  
KAALHVKESFFAERFFALFSDRS GTITLQELQEALTLLIHGSPMDKLKF  
LFQVYDIDVCARQGASAGTEWGAGAGPHWASSPLGTGSGSIDPDELRTVL  
QSCLRESAISLPDEKLDQLTLALFESADADGNGAITFEELRDELQRFPGV  
MENLTISAHAWLTAPAPRPRPRRPRQLTRAYWHNHRSQLFCLATYAGLHV  
LLFGLAASAHRLDGASVMVAKGCGQCLNFDCSFI AVLMLRRCLTWLRATW  
LAQVLPDQNIQFHQLMGYVVVGLSLVHTVAHTVNFVLQAQAEASPFQFW  
ELLLTTRPGIGWVHGSASPTGVALLLLLLLMFICSSSCIRRS GHFEVFW  
THLSYLLVWLLIFHGPNFWKWLLVPGILFFLEKAIGLAVSRMAAVCIME  
VNLLPSKVTHLLIKRPPFFHYRPGDYLYLNIPTIARYEWH PFTISSAPEQ  
KDTIWLHIRSQGWNTNRLYESFKASDPLGRGSKRLSRSVTMRKSQRSSKG  
SEILLEKHKFCNICKYIDGPYGTPTRRIFASEHAVLIGAGIGITPFASIL  
QSIMYRHQKRKHTCPSCQHSWIEGVQDNMCLKHVDFIWINRDQRSFEWV  
SLLTKLEMDQAEAAQYGRFLELHMYMTSALGKNDMKAIGLQMALDLLANK  
EKKDSITGLQTRTQPRPDWSKVFQKVAAEKKGKVQVFFCGSPALAKVLK  
GHCEKFGFRFFQENF

### Product Description

## Expression Systems

HEK293

## Tag

Based on specific requirements

## Protein Format

Detergent or based on specific requirements

## Form

Liquid

## Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

NOX5

### Full Name

NADPH oxidase 5

### Introduction

This gene is predominantly expressed in the testis and lymphocyte-rich areas of spleen and lymph nodes. It encodes a calcium-dependen NADPH oxidase that generates superoxide, and functions as a calcium-dependent proton channel that may regulate redox-dependent processes in lymphocytes and spermatozoa. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

### Alternative Names

NADPH oxidase, EF-hand calcium binding domain 5; NOX5; NADPH oxidase 5

### Gene ID

[79400](#)

### UniProt ID

[Q96PH1](#)