

## Product Information

### **MemDX™ Membrane Protein Human NPR3 (Natriuretic peptide receptor 3) Expressed in HEK293 for Antibody Discovery, Partial (24-481aa)**

Cat. No.: **MPX0404K**

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

This product is a 77 kDa Human NPR3 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

NPR3

##### Protein Length

Partial (24-481aa)

##### Protein Class

Receptor

##### Molecular Weight

77 kDa

##### TMD

1

##### Sequence

TGGGGVGGGGGAGIGGGRQERREALPP  
QKIEVLVLLPQDDSYLFSLTRVRPAIEYALRSVEGNGTGRRLLPPGTRFQ  
VAYEDSDCGNRALFSLVDRVAAARGAKPDLILGPVCEYAAAPVARLASHW  
DLPMLSAGALAAGFQHKDSEYSHLTRVAPAYAKMGEMMLALFRHHHWSRA  
ALVYSDDKLERNCYFTLEGVHEVFQEEGLHTSIYSFDETKDLLEDIVRN  
IQASERVVIMCASSDTIRSIMLVHRHGMTSGDYAFFNIELFNSSSYGDG  
SWKRGDKHDFEAKQAYSSLQTVTLRLTVKPEFEKFSMEVKSSVEKQGLNM  
EDYVNMFVEGFHDAILLYVLALHEVLRAGYSKKDGGKIIQQTWNRTFEG  
AGQVSDANGDRYGDFSAMTDVEAGTQEVIGDYFGKEGRFEMRPNVKY  
PWGPLKLRIDENRIVEHTNSSPCKSSGGLEE

#### Product Description

##### Activity

Yes

## Expression Systems

HEK293

## Tag

hIgG1 Fc tag at the C-terminus

## Protein Format

Soluble

## Form

LYOPH

## Reconstitution

Reconstitute at 500 µg/mL in PBS.

## Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

## Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

## Buffer

Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

## 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

NPR3

### Full Name

Natriuretic peptide receptor 3

## Introduction

This gene encodes one of three natriuretic peptide receptors. Natriuretic peptides are small peptides which regulate blood volume and pressure, pulmonary hypertension, and cardiac function as well as some metabolic and growth processes. The product of this gene encodes a natriuretic peptide receptor responsible for clearing circulating and extracellular natriuretic peptides through endocytosis of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene.

## Alternative Names

NPR3; NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; GUCY2B; C5orf23; atrial natriuretic peptide receptor 3; atrial natriuretic peptide clearance receptor; atrial natriuretic peptide receptor type C; atrionatriuretic peptide receptor C; guanylate cyclase C; natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C); Natriuretic peptide receptor 3

## Gene ID

[4883](#)

## UniProt ID

[P17342](#)