

# Product Information

## MemDX™ Membrane Protein Human NPR3 (Natriuretic peptide receptor 3)

Cat. No.: **MP0169J**

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

This product is a 59.6 kDa Human NPR3 membrane protein expressed in HEK293T. 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

Full-length

#### Protein Class

Druggable Genome, Transmembrane

#### Molecular Weight

59.6 kDa

#### TMD

1

#### Sequence

MPSLLVLTFSPCVLLGWALLAGGTGGGGVGGGGGGAGIGGGGRQEREALPPQKIEVLVLLPQDDSYLFSLT  
RVRPAIEYALRSVEGNGTGRLLPPGTRFQVAYEDSDCGNRALFSLVDRVAAAARGAKPDLILGPVCEYAA  
APVARLASHWDLPMLSAGALAAGFQHKDSEYSHLTRVAPAYAKMGEMMLALFRHHHWSRAALVYSDDKLE  
RNCYFTLEGVHEVFQEEGLHTSIYSFDETKDLDLEDIVRNIQASERVVIMCASSDTIRSIMLVHRHGMT  
SGDYAFFNIELFNSSSYGDGSWKRGDKHDFEAKQAYSSLQTVTLRLTVKPEFEKFSMEVKSSVEKQGLNM  
EDYVNMFVEGFHDAILLYVLALHEVLRAGYSKKDGGKIIQQTWNRTFEGAGQVSIIDANGDRYGDFSVIA  
MTDVEAGTQEVIGDYFGKEGRFEMRPNVKYPWGPLKLRLIDENRIVEHTNSSPCKSCGLEESA VTGIVVGA  
LLGAGLLMAFYFFRKKYRITIERRTQQEESNLGKHRELREDSIRSHFSVA

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

**Form**

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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**

NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; GUCY2B; C5orf23

**Gene ID**

[4883](#)

**UniProt ID**

[P17342](#)