

# Product Information

## **MemDX™ Membrane Protein Human NPSR1 (Neuropeptide S receptor 1) Expressed *in vitro* *E.coli* expression system, Full Length**

Cat. No.: **MPX3483K**

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

This product is a Human NPSR1 membrane protein expressed *in vitro* *E.coli* expression system. 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

NPSR1

#### Protein Length

Full Length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MPANFTEGSFDSSGTGQTLDSSPVACTETVTFTVEVVEGKEWGSFYYSFKTEQLITLWVLFVFTIVGNSVVLFFSTWRRKKKSRMTFF

### Product Description

#### Expression Systems

*in vitro* *E.coli* expression system

#### Tag

10xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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

NPSR1

#### Full Name

Neuropeptide S receptor 1

#### Introduction

This gene encodes a member of the vasopressin/oxytocin subfamily of G protein-coupled receptors. The encoded membrane protein acts as a receptor for neuropeptide S and affects a variety of cellular processes through its signaling. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma. Polymorphisms in this gene have also been associated with asthma susceptibility, panic disorders, inflammatory bowel disease, and rheumatoid arthritis. Alternative splicing results in multiple transcript variants.

#### Alternative Names

NPSR1; GPRA; NPSR; VRR1; ASRT2; PGR14; GPR154; neuropeptide S receptor; G-protein coupled receptor 154; G-protein coupled receptor PGR14; G-protein coupled receptor for asthma susceptibility; vasopressin receptor-related receptor 1; Neuropeptide S receptor 1

#### Gene ID

[387129](#)

#### UniProt ID

[Q6W5P4](#)