

# Product Information

## **MemDX™ Membrane Protein Human NPY5R (Neuropeptide Y receptor Y5) Expressed *in vitro E.coli* expression system, Full Length**

Cat. No.: **MPX3578K**

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

This product is a Human NPY5R 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

NPY5R

#### Protein Length

Full Length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MDLELDEYYNKTLATENNTAATRNSDFPVWDDYKSSVDDLQYFLIGLYTFVSLLGFMGNLLILMALMKKRNQKTTVNFLIGNLAFSDI

### 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**

NPY5R

#### **Full Name**

Neuropeptide Y receptor Y5

#### **Introduction**

The protein encoded by this gene is a receptor for neuropeptide Y and peptide YY. The encoded protein appears to be involved in regulating food intake, with defects in this gene being associated with eating disorders. Also, the encoded protein is involved in a pathway that protects neuroblastoma cells from chemotherapy-induced cell death, providing a possible therapeutic target against neuroblastoma. Three transcript variants encoding the same protein have been found for this gene.

#### **Alternative Names**

NPY5R; NPYR5; NPY5-R; NPYY5-R; NPY-Y5 receptor; Y5 receptor; Neuropeptide Y receptor Y5

#### **Gene ID**

[4889](#)

#### **UniProt ID**

[Q15761](#)