

# Product Information

## MemDX™ Membrane Protein Human NPY1R (Neuropeptide Y receptor Y1) Full Length

Cat. No.: **MPC0307K**

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

This product is a 44.3 kDa Human NPY1R membrane protein expressed in Baculovirus/Insect 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

NPY1R

#### Protein Length

Full length

#### Protein Class

GPCR

#### Molecular Weight

44.3 kDa

#### TMD

7

#### Sequence

MNSTLFSQVENHSVHSNFSEKNAQLLAFENDDCHLPLAMIFTLALAYGAV  
IILGVSGNLALIIILKQKEMRNVNLIIVNLSFSDLLVAIMCLPFTFVY  
TLMDHWVFGEAMCKLNPVQCVSITVSIFSLVLIAPERHQLIINPRGWRP  
NNRHAYVGVIAVIWVLAVASSLPFLIYQVMTDEPFQNVTLDAYKDKYVCFD  
QFPSDSHRLSYTTLLLVLYFGPLCFIFICYFKIYIRLKRRNNMMDKMRD  
NKYRSSETKRINIMLLSIVVAFVAVCWLPITFNTVFDWNHQLIATCNHNL  
LFLCHLTAMISTCVNPIFYGFLNKNFQRDLQFFNFCDFRSRDDDYETI  
AMSTMHTDVSKTSLKQASPVAFKKINNNDNEKI

### Product Description

#### Expression Systems

Baculovirus/Insect expression system

#### Tag

Flag tag at N-terminal and 10xHis tag at C-terminal

**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**

NPY1R

**Full Name**

Neuropeptide Y receptor Y1

**Introduction**

This gene belongs to the G-protein-coupled receptor superfamily. The encoded transmembrane protein mediates the function of neuropeptide Y (NPY), a neurotransmitter, and peptide YY (PYY), a gastrointestinal hormone. The encoded receptor undergoes fast agonist-induced internalization through clathrin-coated pits and is subsequently recycled back to the cell membrane. Activation of Y1 receptors may result in mobilization of intracellular calcium and inhibition of adenylate cyclase activity.

**Alternative Names**

NPYR; NPY1-R; neuropeptide Y receptor type 1; NPY1R; Neuropeptide Y receptor Y1

**Gene ID**

[4886](#)

**UniProt ID**

[P25929](#)