

Product Information

MemDX™ Membrane Protein Human NPY1R (Neuropeptide Y receptor Y1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX4060K**

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

This product is a Human NPY1R 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

NPY1R

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MNSTLFSQVENHSVHSNFSEKNAQLLAFENDDCHLPLAMIFTLALAYGAVIILGVSGNLALIIILKQKEMRNVNLTIVNLSFSDLLVAIM

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

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

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

Gene ID

[4886](#)

UniProt ID

[P25929](#)