

Product Information

MemDX™ Membrane Protein Human NPY1R (Neuropeptide Y receptor Y1) with N-GST tag for Antibody Discovery

Cat. No.: **MP0806X**

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

This product is a 67.98 kDa Human NPY1R membrane protein expressed in *in vitro* wheat germ 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

Molecular Weight

67.98 kDa

TMD

7

Sequence

MNSTLFSQVENHSVHSNFSEKNAQLLAFENDDCHLPLAMIFTLALAYGAVIILGVSGNLALIIILKQKEMRNVNLTIVNLSFSDLLVAIM

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

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; NPY1

Gene ID

[4886](#)

UniProt ID

[P25929](#)