

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

MDLELDEYYNKTLENNTAATRNSDFPVWDDYKSSVDDLQYFLIGLYTFVSLLGFMGNLLILMALMKRNQKTTVNFLIGNLAFSDI

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](#)