

Product Information

MemDX™ Membrane Protein Human NPBWR2 (Neuropeptides B and W receptor 2)

Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3359K**

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

This product is a Human NPBWR2 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

NPBWR2

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MQAAGHPEPLDSRGFSLPTMGANVSQDNGTGHNATFSEPLPFLYVLLPAVYSGICAVGLTGNTAVILVILRAPKMKTVTNVFILNL

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

NPBWR2

Full Name

Neuropeptides B and W receptor 2

Introduction

The protein encoded by this gene is an integral membrane protein and G protein-coupled receptor. The encoded protein is similar in sequence to another G protein-coupled receptor (GPR7), and it is structurally similar to opioid and somatostatin receptors. This protein binds neuropeptides B and W. This gene is intronless and is expressed primarily in the frontal cortex of the brain.

Alternative Names

NPBWR2; GPR8; G-protein coupled receptor 8; neuropeptides B/W receptor 2; opioid-somatostatin-like receptor 8; Neuropeptides B and W receptor 2

Gene ID

[2832](#)

UniProt ID

[P48146](#)