

## Product Information

### MemDX™ Membrane Protein Human GALR1 (Galanin receptor 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3416K**

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

This product is a Human GALR1 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

GALR1

##### Protein Length

Full Length

##### Protein Class

GPCR

##### TMD

7

##### Sequence

MELAVGNLSEGNASWPEPPAPEPGPLFGIGVENFVTLVVFGLIFALGVLGNSLVTLARSKPGKPRSTTNLFILNLSIADLAYLLFCIP

#### 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**

GALR1

### **Full Name**

Galanin receptor 1

### **Introduction**

The neuropeptide galanin elicits a range of biological effects by interaction with specific G-protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart.

### **Alternative Names**

GALR1; GALNR; GALNR1; galanin receptor type 1; GAL1-R; GALR-1; Galanin receptor 1

### **Gene ID**

[2587](#)

### **UniProt ID**

[P47211](#)