

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

MELAVGNLSEGNASWPEPPAPEPGPLFGIGVENFVTLVVFGLIFALGVLGNSLVITVLARSKPGKPRSTTNLFILNLSIADLAYLLFCIP

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](#)