

Product Information

MemDX™ Recombinant Human GAL1R Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-019**

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

This product is recombinant Human GAL1R in VLPs form. This product is produced from mammalian cells by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species

Human

Target Protein

GAL1R

Protein Length

Full length

Protein Class

GPCR

TMD

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Product Description

Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems

HEK293 expression system

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Storage

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

Target

Target Protein

GAL1R

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

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

Gene ID

[2587](#)

UniProt ID

[P47211](#)