

Product Information

MemDX™ Recombinant Rat Pmp22 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX61**

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

This product is recombinant Rat Pmp22 in VLPs form. This product is produced from HEK293 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

Rat

Target Protein

Pmp22

Protein Length

Full length

Protein Class

Receptor

TMD

4

Sequence

MLLLLLGILFLHIAVLVLLFVSTIVSQWLVGNHRTDLWQNCTTSALGAVQHICYSSSVSEWLQSVQATMILSVIFSVLSLFLFFCQLFT

Product Description

Application

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

Expression Systems

HEK293 expression system

Tag

10xHis tag at the C-terminus

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Buffer

PBS, 6% Trehalose, pH 7.4

Storage

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

Target**Target Protein**

Pmp22

Full Name

Peripheral myelin protein 22

Introduction

Predicted to enable cytoskeletal motor activity. Involved in several processes, including myelination; negative regulation of cell population proliferation; and negative regulation of neuron projection development. Located in bicellular tight junction and compact myelin. Is integral component of membrane. Biomarker of sciatic neuropathy. Human ortholog(s) of this gene implicated in Charcot-Marie-Tooth disease (multiple); Guillain-Barre syndrome; and hereditary neuropathy with liability to pressure palsies. Orthologous to human PMP22 (peripheral myelin protein 22).

Alternative Names

Gas-3; peripheral myelin protein 22; PMP-22; SAG; SR13 myelin protein; schwann cell membrane glycoprotein

Gene ID

[24660](#)

UniProt ID

[P25094](#)