

Product Information

MemDX™ Recombinant Mouse Pld3 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX62**

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

This product is recombinant Mouse Pld3 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

Mouse

Target Protein

Pld3

Protein Length

Full length

Protein Class

Immunity

TMD

1

Sequence

MKPKLMYQELKVPVEEPAGELPLNEIEAWKAAEKKARWVLLVLILAVVGFGALMTQLFLWEYGDLHLFGPNQRPA PCYDPCEAVLV

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**

Pld3

Full Name

Phospholipase D family, member 3

Introduction

Enables single-stranded DNA 5'-3' exodeoxyribonuclease activity. Involved in regulation of cytokine production involved in inflammatory response. Located in late endosome membrane and lysosomal membrane. Is expressed in several structures, including alimentary system; cardiovascular system; genitourinary system; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in spinocerebellar ataxia 46. Orthologous to human PLD3 (phospholipase D family member 3).

Alternative Names

Sam-9; 5'-3' exonuclease PLD3; PLD 3; choline phosphatase 3; phosphatidylcholine-hydrolyzing phospholipase D3; phospholipase D3; schwannoma-associated protein 9

Gene ID

[18807](#)

UniProt ID

[Q35405](#)