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Product Information

MemDX™ Membrane Protein Human VPS45 (Vacuolar protein sorting 45 homolog) for Antibody Discovery

Cat. No.: **MP1493X**
This product is for research use only and is not intended for diagnostic use.

This product is a 91.5 kDa Human VPS45 membrane protein expressed in *In vitro* wheat germ 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
VPS45

Protein Length
Full-length

Molecular Weight
91.5 kDa

Sequence
MNVVFAVKQYISKMIEDSGPGMKVLLMDKETTGIVSMVYTQSEILQKEVYLFERIDSQNREIMKHLKAICFLRPTKENVDYIIQELRRP

Product Description

Application
Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Protein Format
Liposome

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

VPS45

Full Name

Vacuolar protein sorting 45 homolog

Introduction

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. Multiple alternatively spliced transcript variants have been found for this gene.

Alternative Names

H1; SCN5; VSP45; VPS45A; VPS45B; VPS54A; VSP45A; H1VPS45; vacuolar protein sorting-associated protein 45; leucocyte vacuolar protein sorting 45; vacuolar protein sorting 45A

Gene ID

11311

UniProt ID

Q9NRW7