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Product Information

MemDX™ Membrane Protein Human VPS16 (VPS16 core subunit of CORVET and HOPS complexes) for Antibody Discovery

Cat. No.: **MP1485X**
This product is for research use only and is not intended for diagnostic use.

This product is a 121.1 kDa Human VPS16 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
VPS16

Protein Length
Full-length

Molecular Weight
121.1 kDa

Sequence
MDCYTANWNPLGDSAFYRKYELYSMDWDLKEELRDCLVAAAPYGGPIALLRNPWRKEKAASVRPVLDIYSASGMPLASLLWKSGF

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

VPS16

Full Name

VPS16 core subunit of CORVET and HOPS complexes

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 encodes the human homolog of yeast class C Vps16 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

hVPS16; vacuolar protein sorting-associated protein 16 homolog; VPS16, CORVET/HOPS core subunit; vacuolar protein sorting 16 homolog; vacuolar protein sorting protein 16

Gene ID

64601

UniProt ID

Q9H269

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