

Product Information

MemDX™ Membrane Protein Human HPS1 (HPS1 biogenesis of lysosomal organelles complex 3 subunit 1, 1 a.a. - 194 a.a.) for Antibody Discovery

Cat. No.: **MP0522X**

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

This product is a 48.6 kDa Human HPS1 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

HPS1

Protein Length

Full-length

Molecular Weight

48.6 kDa

Sequence

MKCVLVATEGAEVLFYWTDQFEESRLRKFGQSENEEEELPALEDQLSTLLAPVISSMTMLEKLSDTYTCFSTENGFLYVLHLFG

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

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

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

Target

Target Protein

HPS1

Full Name

HPS1 biogenesis of lysosomal organelles complex 3 subunit 1

Introduction

This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is a component of three different protein complexes termed biogenesis of lysosome-related organelles complex (BLOC)-3, BLOC4, and BLOC5. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 1. Alternative splicing results in multiple transcript variants. A pseudogene related to this gene is located on chromosome 22

Alternative Names

HPS; BLOC3S1

Gene ID

[3257](#)

UniProt ID

[Q92902](#)