

# Product Information

## **MemDX™ Membrane Protein Human AP1S1 (Adaptor related protein complex 1 subunit sigma 1) for Antibody Discovery**

Cat. No.: **MP0039X**

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

This product is a 40.37 kDa Human AP1S1 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

AP1S1

#### Protein Length

Full-length

#### Molecular Weight

40.37 kDa

#### Sequence

MMRFMLLFSRQGKLRLRKWYLATSDKERKKMVRELMQVVLARKPKMCSFLEWRDLKVVYKRYASLYFCCAIEGQDNELITLELIHR

### 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

AP1S1

#### Full Name

Adaptor related protein complex 1 subunit sigma 1

#### Introduction

The protein encoded by this gene is part of the clathrin coat assembly complex which links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. This protein, as well as beta-prime-adaptin, gamma-adaptin, and the medium (mu) chain AP47, form the AP-1 assembly protein complex located at the Golgi vesicle

#### Alternative Names

AP19; CLAPS1; FLJ92436; SIGMA1A; WUGSC:H\_DJ0747G18.2; AP-1 complex subunit sigma-1A,HA1 19 kDa subunit,clathrin assembly protein complex 1 sigma-1A small chain; clathrin coat assembly protein AP19; clathrin-associated/assembly/adaptor protein, small 1 (19kD),golgi adaptor HA1/AP1 adaptin sigma-1A subunit,sigma

#### Gene ID

[1174](#)

#### UniProt ID

[P61966](#)