

# Product Information

## **MemDX™ Membrane Protein Human ABCG1 (ATP binding cassette subfamily G member 1 expressed in *in vitro* wheat germ expression system) for Antibody Discovery**

Cat. No.: **MP0012X**

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

This product is a 102 kDa Human ABCG1 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

ABCG1

#### Protein Length

Full-length

#### Molecular Weight

102 kDa

#### TMD

6

#### Sequence

MACLMAAFSVGTAMNASSYSAEMTEPKSVCSVDEVVSSNMEATETDLLNGHLKKVDNNLTEAQRFSLLPRRAAVNIEFRDLSYS

### 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

**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**

ABCG1

**Full Name**

ATP binding cassette subfamily G member 1

**Introduction**

The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types. Six alternative splice variants have been identified

**Alternative Names**

ABC8; MGC34313; WHITE1; ABC transporter 8; ATP-binding cassette sub-family G member 1; ATP-binding cassette transporter 8,ATP-binding cassette transporter member 1 of subfamily G; OTTHUMP00000109322,homolog of Drosophila white,white protein homolog (ATP-binding cassette transporter

**Gene ID**

[9619](#)

**UniProt ID**

[P45844](#)