

Product Information

MemDX™ Membrane Protein Human ABCG1 (ATP binding cassette subfamily G member 1) expressed in Yeast for Antibody Discovery

Cat. No.: **MP1414J**

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

This product is a 51.0 kDa Human ABCG1 membrane protein expressed in Yeast. 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

Partial (1-426aa)

Protein Class

ATP-binding Cassette Transporter

Molecular Weight

51.0 kDa

Sequence

MACLMAAFSGTAMNASSYSAEMTEPKSVCVSDEVVSSNMEATDLLNGHLKKVDNNLTEAQRFSSLPRRAAVNIEFRDLSYS

Product Description

Expression Systems

Yeast

Tag

N-10xHis and C-Myc

Form

Liquid or Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

ABC transporter 8; ABC8; ABCG1; ABCG1_HUMAN; ATP-binding cassette sub family G member 1; ATP-binding cassette sub-family G member 1; ATP-binding cassette transporter 8; ATP-binding cassette transporter member 1 of subfamily G; ATP-binding cassette; sub family G WHITE member 1; homolog of Drosophila white; MGC34313; White protein homolog; White protein homolog ATP binding cassette transporter 8; WHITE1; WHT1

Gene ID

[9619](#)

UniProt ID

[P45844](#)