

# Product Information

## MemDX™ Membrane Protein Human ABCG4 (ATP binding cassette subfamily G member 4) for Antibody Discovery

Cat. No.: **MP0015X**

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

This product is a 96.8 kDa Human ABCG4 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

ABCG4

#### Protein Length

Full-length

#### Molecular Weight

96.8 kDa

#### TMD

6

#### Sequence

MAEKALEAVGCGLGPGAVAMAVTLEDGAEPVLTTHLKKVENHITEAQRFSHLPKRSAVDIEFVELSVREGPCWRKRGYKTLK

### 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**

ABCG4

**Full Name**

ATP binding cassette subfamily G member 4

**Introduction**

The protein encoded by this gene is a member of the ATP-binding cassette (ABC) transporter superfamily. 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). The encoded protein is a member of the White subfamily and plays an important role in cellular cholesterol homeostasis. This protein functions as either a homodimer or as a heterodimer with another ABC subfamily protein such as ABCG1

**Alternative Names**

WHITE2; ATP-binding cassette, subfamily G, member 4, putative ABC transporter

**Gene ID**

[64137](#)

**UniProt ID**

[Q9H172](#)