

Product Information

MemDX™ Membrane Protein Human ABCC1 (ATP binding cassette subfamily C member 1) for Antibody Discovery

Cat. No.: **MP1416J**

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

This product is a 35.9 kDa Human ABCC1 membrane protein expressed in E.coli. 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

ABCC1

Protein Length

Partial (1248-1531aa)

Protein Class

ATP-binding Cassette Transporter

Molecular Weight

35.9 kDa

Sequence

VRMSSEMETNIVAVERLKEYSETEKEAPWQIQETAPPSSWPQVGRVEFRNYCLRYREDLDFVLRHINVTINGGEKVGIVGRTGAGK
kDaGLV

Product Description

Expression Systems

E.coli

Tag

N-6xHis

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

>90% 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**

ABCC1

Full Name

ATP binding cassette subfamily C 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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternatively spliced variants of this gene have been described but their full-length nature is unknown.

Alternative Names

ABC 29; ABC29; ABCC 1; ABCC; Abcc1; ATP binding cassette sub family C (CFTR/MRP) member 1; ATP binding cassette sub-family C member 1; ATP binding cassette subfamily C member 1; ATP binding cassette transporter variant ABCC1delta ex13; ATP binding cassette transporter variant ABCC1delta ex13&14; ATP binding cassette transporter variant ABCC1delta ex25; ATP binding cassette transporter variant ABCC1delta ex25&26; ATP binding cassette, sub-family C (CFTR/MRP), member 1; ATP-binding cassette sub-family C member 1; DKFZp686N04233; DKFZp781G125; GS-X; GSX; Leukotriene C(4) transporter; LTC4 transporter; MRP 1; MRP; MRP1; MRP1_HUMAN; Multidrug resistance associated protein 1; Multidrug resistance protein; Multidrug resistance-associated protein 1; Multiple drug resistance associated protein; Multiple drug resistance protein 1

Gene ID

[4363](#)

UniProt ID

[P33527](#)