

# Product Information

## MemDX™ Membrane Protein Human ABCC12 (ATP binding cassette subfamily C member

### 12) Full Length

Cat. No.: **MPC1602K**

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

This product is a 152.2 kDa Human ABCC12 membrane protein expressed in HEK293. 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

ABCC12

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

152.2 kDa

#### TMD

10

#### Sequence

MVGEGPYLISDLQGRRRSFAERYDPSLKTMI PVRPCARLAPNPVDDAG  
LLSFATFSWLT PVMVKG YRQLTVDTLPPLSTYDSSDTNAKRFRVLWDEE  
VARVGPEKASLSHV VWK FQRTRVLMDIVANILCIIMAAIGPVILIHQILQ  
QTERTSGKVWVGIGLCIALFATEFTKVFFWALAWAINYRTAIRLKVALST  
LVFENLVSFKTLTHISVGEVLNLSDDSYSLFEAALFCPLPATIPILMF  
CAAYAFFILGPTALIGISVYVIFIPVQMFMMAKLNSAFRRSAILVTDKRVQ  
TMNEFLT CIRLIKMYAWEKSFTNTIQDIRRERKLEKAGFVQSGNSALA  
PIVSTIAIVLTLSCHILLRRKLTAPVAFSVIAMFNMKFSIAILPFSIKA  
MAEANVSLRRMKILIDKSPPSYITQPEDPDTVLLLANATLTWEHEASRK  
STPKKLQNQKRHLCKKQRSEAYSERSPPAKGATGPEEQSDSLKSVLHSIS  
FVVRKGKILGICGNVSGKSSLLAALLGQMQLQKGVAVNGTLAYVSQQA  
WIFHGNVRENILFGEKYDHQRYQHTVRVCGLQKDLSNLPYGDLTEIGERG  
LNLSGGQRQRISLARAVYSRQLYLLDDPLSAVDAHVGKHFEECIKKT  
RGKTVVLVTHQLQFLESCDEVILLEGEICEKGTHKELMEERGGRYAKLIH  
NLRGLQFKDPEHLYNAAMVEAFKESPAEREEDAGIIVLAPGNEKDEGKES  
ETGSEFVDTKVPEHQLIQTESPQEGTVTWKTYHTYIKASGGYLLSLFTVF  
LFLLMIGSAAFSNWWLGLWLDKGSRMTCGPQGNRTMCEVGAVLADIGQHV  
YQWVYTASMVFLVFGVTKGFVFTKTTLMASSSLHDTVFDKILKSPMSFF  
DTTPTGRLMNRFSKMDDEL DVRLPFHAENFLQQFFMVVFILVILAAVFPA

VLLVVASLAVGFFILLRIFHRGVQELKKVENVSRSPWFTHITSSMQGLGI  
IHAYGKKESCITYHLLYFNCLRWLFALRMDVLMNLTFTVALLVTLFSS  
ISTSSKGLSLSYIIQLSGLLQVCVRTGTETQAKFTSVELLREYISTCVPE  
CTHPLKVGTCPKDWPSRGEITFRDYQMRYRDNTPLVLDLNLNIQSGQTV  
GIVGRTGSGKSSLGMALFRLVEPASGTIFIDEVDICILSLEDLRTKLTVI  
PQDPVLFVGTVRYNLDPFESHTDEMLWQVLERTFMRDTIMKLPEKLQAEV  
TENGENFSVGERQLLCVARALLRNSKIILLDEATASMSKTDTLVQNTIK  
DAFKGCTVLTIAHRLNTVLNCDHVLVMENGVIEFDKPEVLAEKPDSAFA  
MLLAAEVRL

## Product Description

### Expression Systems

HEK293

### Tag

Based on specific requirements

### Protein Format

Detergent or based on specific requirements

### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

ABCC12

### Full Name

ATP binding cassette subfamily C member 12

### Introduction

This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two ATP-binding domains and 12 transmembrane regions. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White. This gene is a member of the MRP subfamily which is involved in multi-drug resistance. This gene and another subfamily member are arranged head-to-tail on chromosome 16q12.1. Increased expression of this gene is associated with breast cancer.

### Alternative Names

ABCC12; MRP9; ATP-binding cassette sub-family C member 12; ATP-binding cassette transporter sub-family C member 12; ATP-binding cassette, sub-family C (CFTR/MRP), member 12; multidrug resistance-associated protein 9; ATP binding cassette subfamily C member 12

### Gene ID

[94160](#)

### UniProt ID

[Q96J65](#)