

Product Information

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

Full Length

Cat. No.: **MPC0349K**

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

This product is a 171.5 kDa Human ABCC1 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

ABCC1

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

171.5 kDa

TMD

17

Sequence

MALRGFCSADGSDPLWDWNVTWNTSNPDFTKCFQNTVLVWVPCFYLWACF
PFYFLYLSRHDRGYIQMTPLNKTALGFLWIVCWADLFYSFWERSRGI
FLAPVFLVSPTLLGITMLLATFLIQLERRKGVQSSGIMLTFWLVALVCAL
AILRSKIMTALKEDAQVDLFRDITFYVYFSLLLIQLVLSCFSDRSPLFSE
TIHDPNCPPESSASFLSRITFWWITGLIVRGYRQPLEGSDLWSLNKEDTS
EQVVPVLVKNWKKCAKTRKQPVKVYSSKDPAQPKESSKVDANEEVEAL
IVKSPQKEWNPSLFKVLYKTFGPYFLMSFFFKAIHDLMMFSGPQILKLLI
KFVNDTKAPDWQGYFYTVLLFVTACLQTLVLHQYFHICFVSGMRIKTAVI
GAVYRKALVITNSARKSSTVGEIVNLMVDAQRFMDLATYINMIWSAPLQ
VILALYLLWNLGPSVLGAVVMVLMVPVNAVMMAMKTKTYQVAHMKSKDN
RIKLMNEILNGIKVLKLYAWELAFKDKVLAIRQEELKVLKKSAYLSAVGT
FTWVCTPFLVALCTFAVYVTIDENNILDAQTAQVSLALFNILRFPNLIP
MVISSIVQASVSLKRLRIFLSHEELEPDSIERRPVKDGGGTNSITVRNAT
FTWARS DPPTLNGITFSIPEGALVAVVGQVCGKSSLLSALLAEMDKVEG
HVAIKGSVAYVPQQAQWQNDLRENILFGCQLEPPYRSVIQACALLPDL
EILPSGDRTEIGEGVNLGGQKQVSLARAVYSNADIYLFDDPLSAVDA
HVGKHIFENVIGPKGMLKNKTRILVTHSMSYLPQVDVIVMSGGKISEMG
SYQELLARDGAFAEFLRTYASTEQQDAEENGVTGVSGPGKEAKQMENG
LVTDSAGKQLQRQLSSSSSYSGDISRHHNSTAELQKAEAKKEETWKLMEA

DKAQTGQVKLSVYWDYMKAIGLFISFLSIFLMCNHVSALASNYWLSLWT
DDPIVNGTQEHTKVRLSVYGALGISQGIAVFGYSMAVSIGGILASRCLHV
DLLHSILRSPMSFFERTPSGNLVNRFSEKELDTVDSMIPEVIKMFMGSLFN
VIGACIVILLATPIAAIIIPPLGLIYFFVQRFYVASSRQLKRLESVSRSP
VYSHFNETLLGVSVIRAFEEQERFIHQSDLKVDENQKAYYPSIVANRWLA
VRLECVGN CIVLFAALFAVISRHLSAGLVGLSVSYSLQVTTYLNWLVRM
SSEMETNIVAVERLKEYSETEKEAPWQIQETAPPSSWPQVGRVEFRNYCL
RYREDLDFVLRHINVTINGGEKVGVGRTGAGKSSLTLGLFRINESAEGE
IIDGINIAKIGLHDLRFKITIIPQDPVLFSGSLRMNLDPFSSQYSDEEVW
TSLELAHLKDFVSLALPDKLDHECAEGGENLSVGQRQLVCLARALLRKTKI
LVLDEATAAVDLETDDLIQSTIRTQFEDCTVLTIAHRLNTIMDYTRVIVL
DKGEIQEYGAPSDLLQQRGLFY SMAKDAGLV

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

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

MRP; ABCC; GS-X; MRP1; ABC29; DFNA77; multidrug resistance-associated protein 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; LTC4 transporter; glutathione-S-conjugate-translocating ATPase ABCC1; leukotriene C(4) transporter; ABCC1; ATP binding cassette subfamily C member 1

Gene ID

[4363](#)

UniProt ID

[P33527](#)