

Product Information

MemDX™ Membrane Protein Human ABCC4 (ATP binding cassette subfamily C member 4)

Full Length

Cat. No.: **MPC0354K**

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

This product is a 149.5 kDa Human ABCC4 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

ABCC4

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

149.5 kDa

TMD

14

Sequence

MLPVYQEVKPNPLQDANLCSRFFWWLNPLFKIGHKRRLEEDDMYSVLPE
DRSQHLGEELQGFWDKVLELRAENDAQKPSLTRAIIKCYWKSYYLVLGIFTL
IEESAKVIQPIFLGKIINIFYENYDPMDSVALNTAYAYATVLTFTLILAI
LHHLYFYHVQCAGMRLRVAMCHMIYRKALRLSNMAMGKTTTGQIVNLLSN
DVNKFQDQVTVFLHFLWAGPLQAIQAVTALLWMEIGISCLAGMAVLIILLPL
QSCFGKLFSSLRSKTATFTDARIITMNEVITGIRIIMYAWEKSFNLIT
NLRKKEISKILRSSCLRGMNLASFFSASKIIVFVTFTTYVLLGSVITASR
VFVAVTLYGAVRLTVTLFFPSAIERVSEAIVSIRRIQTFLLLDNISQRNR
QLPSDGKKMVHVQDFTAFWDKASEPTLQGLSFTVRPGELLAVVGPVGAG
KSSLLSAVLGELAPSHGLVSVHGRIAYVSQQPWVFSGLRSNIFGKKYE
KERYEKVIKACALKKDLQLLEDGDLTVIGDRGTTLSGGQKARVNLRNAVY
QDADIYLLDDPLSAVDAEVSRLHFLCICQILHEKITILVTHQLQYLKAA
SQILILKDGKMOVQKGTYTEFLKSGIDFGSLLKKDNEESEQPPVPGTPTLR
NRTFSESSVWSQQSSRPSLKDGALESQDTENVPVTLSEENRSEGKVGFAA
YKNYFRAGAHWIVFIFILLNTAAQVAYVLQDWWLSYWANKQSMLNVTVN
GGGNVTEKLDLNNWYLGISGLTVATVLFGIARSLVVFYVLNSSQTLHNK
MFESILKAPVLFDRNPGRILNRFSDIGHLDLLPLTFLDFIQTLQV
VGVSVAVAVIPWIAIPLVPLGIIFILRRYFLETSRDVKRLESTTRSPV
FSLSSSLQGLWTIRAYKAEERCQELFDAHQDLHSEAWFLFTTSRWFVA

RLDAICAMFVIIIVAFGSLILAKTLDAGQVGLALSYALTMGMFQWCVRQS
AEVENMMISVERVIEYTDLEKEAPWEYQKRPPPAWPHEGVIIIFDNVNFMY
SPGGPLVLKHLTALIKSQEKVGIVGRTGAGKSSLISALFRLSEPEGKIWI
DKILTTEIGLHDLRKKMSIIPQEPVLTGTMRKNLDPFNEHTDEELWNAL
QEVQLKETIEDLPGKMDTELAESGSNFSVGQRQLVCLARAILRKNQILII
DEATANVDPRTDELIQKKIREKFAHCTVLTIAHRLNTIIDSCKIMVLDSG
RLKEYDEPYVLLQNKESLFYKMOVQLGKAEAAALTETAKQVYFKRNYPHI
GHTDHMTNTSNGQPSTLTIFETAL

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

ABCC4

Full Name

ATP binding cassette subfamily C member 4

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 MRP subfamily which is involved in multi-drug resistance. This family member plays a role in cellular detoxification as a pump for its substrate, organic anions. It may also function in prostaglandin-mediated cAMP signaling in ciliogenesis. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

MRP4; MOATB; MOAT-B; multidrug resistance-associated protein 4; MRP/cMOAT-related ABC transporter; bA464I2.1 (ATP-binding cassette, sub-family C (CFTR/MRP), member 4); canalicular multispecific organic anion transporter (ABC superfamily); multi-specific organic anion transporter B; ABCC4; ATP binding cassette subfamily C member 4

Gene ID

[10257](#)

UniProt ID

[Q15439](#)