

Product Information

MemDX™ Membrane Protein Human ABCA7 (ATP binding cassette subfamily A member 7)

Full Length

Cat. No.: **MPC0368K**

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

This product is a 234.3 kDa Human ABCA7 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

ABCA7

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

234.3 kDa

TMD

15

Sequence

MAFWTQLMLLLWKNFMYRRRQPVQLLVELLWPLFLFFILVAVRHSHPPLE
HHECHFPNKPLPSAGTVPWLQGLICNVNNTCFPQLTPGEEPGRLSNFNDS
LVSRLADARTVLGGASAHRTLGLGKLIATLRAARSTAQPQPTKQSPL
PPMLDVAELLTSLRTESLGLALGQAQEPLHSLLEAAEDLAQELLALRSL
VELRALLQRPRGTSGPLELLSEALCSVRGPSSTVGPSLNWYEASDLMELV
GQEPESALPDSSLSPACSELIGALDSHPLSRLWRRLLKPLILGKLLFAPD
TPFTRKLMAQVNRTFEELTLRDVREVWEMLGPRIFTFMNDSSNVAMLQR
LLQMDEGRRQPRPGGRDHMEALRSFLDPGSGGYSWQDAHADVGHVLT
GRVTECLSLDKLEAAPSEAAVSRALQLLAEHRFWAGVVFLGPEDSSDPT
EHPTPDLPBGHVRKIRMDIDVVTRTNKIRDRFWDPGPAADPLTDLRYVW
GGFVYLQDLVERAAVRVLSGANPRAGLYLQQMPYPCYVDDVFLRVLSRSL
PLFLTAWIYSVTLTVKAVVREKETRLRDTMRAMGLSRAVLWLGWFLSCL
GPFLLSAALLVLVLKLGDIPLPYSHPGVVFLFAAFVATVTQSFLLSAFF
SRANLAAACGGLAYFSLYLPYVLCVAWRDRLPAGGRVAASLLSPVAFGFG
CESLALLEEQGEQAQWHNVGTRPTADVFSLAQVSGLLLLDAALYGLATWY
LEAVCPGQYGIPEPWNFPFRRSYWCGPRPPKSPAPCPTPLDPKVLVEEAP
PGLSPGVSVRSLEKRFPGSPQPALRGLSLDFYQGHITAF LGHNGAGKTTT
LSILSGLFPPSGGSFILGHDVRSSMAAIRPHLGVC PQYNVLFDM LTVDE
HWWFYGR LKGLSAAVVGPEQDRLLQDVGLVSKQSVQTRHLSGGMQRKLSV

AIAFVGGSQVVILDEPTAGVDPASRRGIWELLLKYREGRTLILSTHHLDE
AELLGDRVAVVAGGRLCCCGSPLFLRRHLGSGYYLTLVKARLPLTTNEKA
DTDMEGSVDTQRQEKNGSQGSRVGTPQLLALVQHWVPGARLVEELPHELV
LVLPYTGAHDGSGFATLRFRELDTRLAELRLTGYGISDTSLEEFLKVVVEEC
AADTDMEDGSCGQHLCTGIAGLDVTLRLKMPPQETALENGEPAGSAPETD
QGSGPDAVGRVQGWALTRQQQLQALLLKRFLARRSRRLFAQIVLPALFV
GLALVFSLIVPPFGHYPALRLSPTMYGAQVSFFSEDAPGDPGRARLLEAL
LQEAGLEPPVQHSSHRSFAPEVPAEVAKVLASGNWTPESPSPACQCSR
GARRLLPDCPAAAGGPPPPQAVTGSGEVVQNLTGRNLSDFLVKTYPRLV
QGLKTKKWVNEVRYGGFSLGGRDPGLPSGQELGRSVEELWALLSPLPGGA
LDRV LKNTAWAHSLDAQDSLKIWFNNKGWHSMAFVNRA SNAILRAHLP
PGPARHAHSITTLNHPLNLTKEQLSEGALMASSVDVLVSICVVFAMSFVP
ASFTLV LIEERVTRAKHLQLMGGLSPTLYWLG NFWDMCNYLV PACIVVL
IFLAFQQRAYVAPANLPALLLLLLLYGWSITPLMYPASFFF SVPSTAYVV
LTCINLFIGINGSMATFVLELFSDQKLQEVSRILKQVFLIFPHFCLGRGL
IDMVRNQAMADAFERLGDRQFQSPLRWEVVGKNLLAMVIQGPLFLLFTLL
LQHRSQLLPQPRVRSPLPLGEEDEDVARERERVVQGATQGDVLVLRNLTK
VYRGQRMPAVDRLCLGIPPGECFGLLG VNGAGKTSTFRMVTGDTLASRGE
AVLAGHSVAREPSAAHLSMGYCPQSDAIFELLTGREHLELLARLRGVPEA
QVAQTAGSGLARLGLSWYADRPAGTYSGGNKRKLATALVGDPAVVFLD
EPTTGMDPSARRFLWNSLLAVVREGRSVMLTSHSMEECEALCSRLAIMVN
GRFRCLGSPQHLKGRFAAGHTLTLRVPAARSQPAAAFVAAEFPGAELREA
HGGRLRFQLPPGGRCALARVFGELAVHGAEHGVEDFSVSQTMLEEVFLYF
SKDQGKDEDTEEQKEAGVGVDPA PGLQHPKRVSQFLDDPSTAETVL

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

ABCA7

Full Name

ATP binding cassette subfamily A member 7

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 ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This full transporter has been detected predominantly in myelo-lymphatic tissues with the highest expression

in peripheral leukocytes, thymus, spleen, and bone marrow. The function of this protein is not yet known; however, the expression pattern suggests a role in lipid homeostasis in cells of the immune system.

Alternative Names

AD9; ABCX; ABCA-SSN; phospholipid-transporting ATPase ABCA7; ATP-binding cassette sub-family A member 7; ATP-binding cassette, sub-family A (ABC1), member 7; autoantigen SS-N; macrophage ABC transporter; ABCA7; ATP binding cassette subfamily A member 7

Gene ID

[10347](#)

UniProt ID

[Q8IZY2](#)