

Specifications:

Gene:	hABCB6
Accession:	NP_005680
Insert size:	2542bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

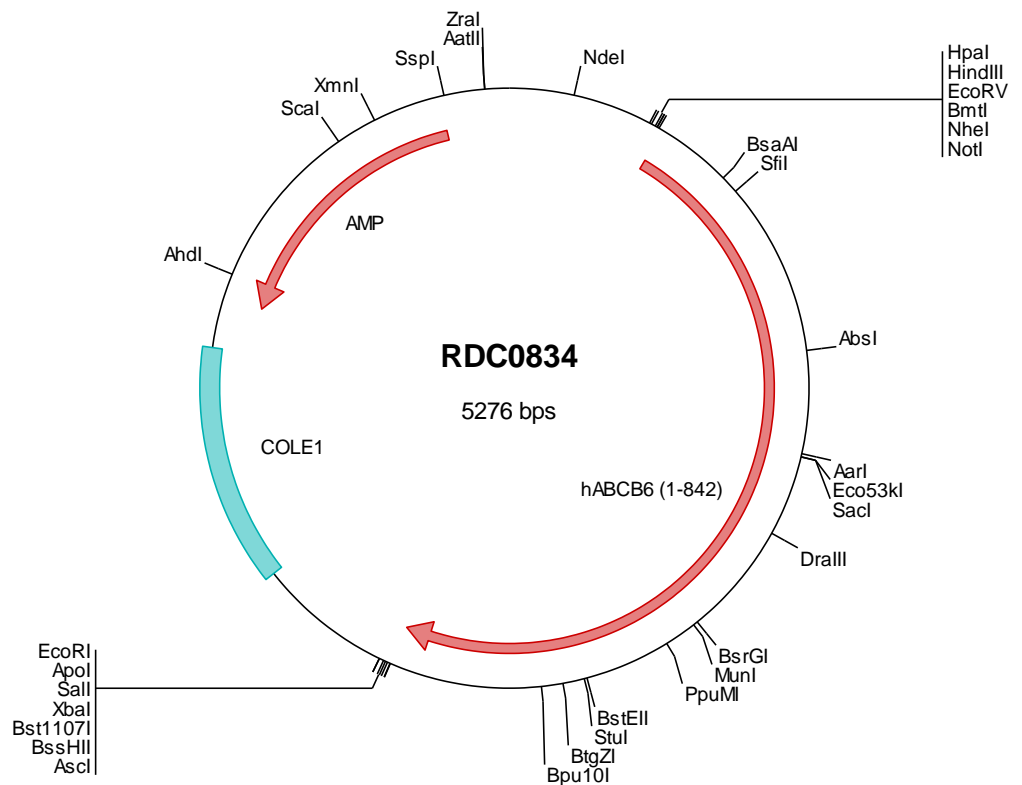
hABCB6 cDNA Plasmid

ABCB6 ATP-binding cassette, sub-family B (MDR/TAP), member 6 [*Homo sapiens* (human)]

Also known as: ABC; LAN; PRP; DUH3; umat; ABC14; MTABC3; MCOPCB7

Summary:

ABCB6 is a member of the MDR/TAP subfamily of the ATP-binding cassette (ABC) transporters superfamily. It has been described as a mitochondrial transporter that binds heme and porphyrins and is essential for heme biosynthesis. Like several other ABC transporters, ABCB6 may also contribute to anticancer drug resistance.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0834 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt attcgccatt caggctgccc aactgttggg aagggcgatc ggtgcccggc tcttcgctat
301 taagccagct ggcgaaagg ggaatgctg caagcggatt aagtgggta acgcccgggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgccacc atggttactg ttggcaacta ctgagaggcc gaagggcccg tgggtccggc
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701 cggcgcctgc cctggcccgc ctggctggcc ggggtggcac tgcccggggg gcccccactgc caagctatct acttctggcc tccgtgctgg agagtctggc
801 cggcgcctgt ggcctgtggc tgcctgtctg caggcaccgc agcgtctggc aatgggcatc tggatcaagt tggatcgagg tgggtctggc tcttccctgc
901 ctgctcctct ggaactgtggc gtttgcagct gagaacttgg ccoctggtgtc ttggaaacgc ccacagtggt ggtgggcaag ggcagacttg gccagcagg
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> RDC0834 Translated Insert Sequence

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101 aplpsyllla svleslagac glwllvvers qarqrlamgi wikfrhspgl lllwtvafaa enlalvswns pqwwaradl gqvqfslwv lryvvsqglf
201 vlglwapglr pqsytlqvh e edqdvrsqv raaqqstwr dfgrklrls gylwprgsa lqlvvlclg lmgleralnv lvpifyrnlv nlltekapwn
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401 giifysmfnn awfglrvflc mslyltltiv vtewrkfr r amntqenat r aravdsllnf etvkynaes yeveryreal ickyglewks saslvllnqt
501 qnlvlglll agsllcayfv teqlqvgyd vlfgytiql ymplnwfgty yrmiqtnfid menmfllke etevkdplga gplrfqkgr i efenvhfsya
601 dgrretlqdv ftvmpgqtl a lvpsgagks tiilrlfrfy dissqcirid gqdisqvta slrshigvvp qdtvlfndti adnirygrvt agndeveaaa
701 qaagihdaim afpegrytqv gerglklsgg ekqrvaier ilkpaigiill deatsaldts neraiqasla kvcanrttiv vahrlstvv n adqilvikdg
801 civergrhea llrsgrvyad mwqlqggqee tsetdkpqt m er