

## Specifications:

Gene:	hABCB5
Accession:	NP_001157413
Insert size:	3787bp
Concentration:	10µg at 0.2µg/µL

## hABCB5 cDNA Plasmid

ABCB5 ATP-binding cassette, sub-family B (MDR/TAP), member 5 [ *Homo sapiens* (human) ]

**Also known as:** ABCB5beta; ABCB5alpha

### Summary:

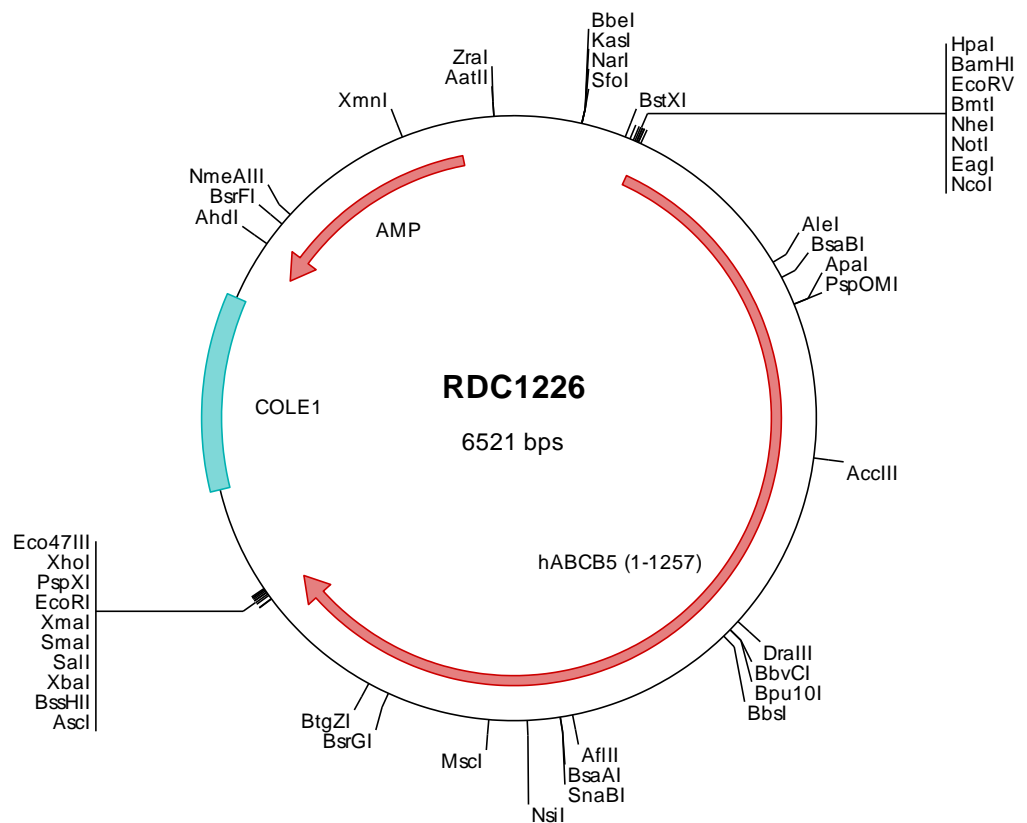
ABCB5 is a multidrug resistance (MDR) integral membrane protein belonging to the ATP-binding cassette (ABC) transporter superfamily. It acts as an energy-dependent drug efflux transporter and has been linked to malignancies including melanoma. It is required for the tumorigenicity and progression of melanoma and other malignancies. ABC transporters and MDR will likely be important in the therapeutic optimization for cancer patients.

## 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.





## > RDC1226 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacgggtca cagcttgctc gtaagcggat gccgggagca gacaagcccg
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201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcccggcc tcttcgctat
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## > RDC1226 Translated Insert Sequence

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