

## **Product datasheet for RC228071L3**

#### OriGene Technologies, Inc.

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## ABCB5 (NM\_001163942) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** ABCB5 (NM\_001163942) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ABCB5

Synonyms: ABCB5alpha; ABCB5beta; EST422562

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228071).

Sgfl-Mlul

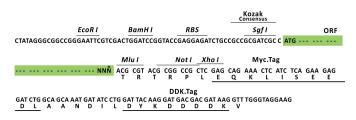
Sequence:

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Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001163942

ORF Size: 393 bp





### ABCB5 (NM\_001163942) Human Tagged Lenti ORF Clone - RC228071L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001163942.1</u>

 RefSeq Size:
 2247 bp

 RefSeq ORF:
 396 bp

 Locus ID:
 340273

 UniProt ID:
 Q2M3G0

 Cytogenetics:
 7p21.1

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** ABC transporters

**MW:** 15.1 kDa

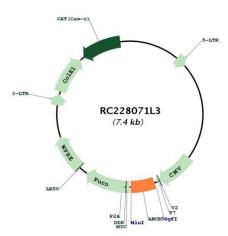
**Gene Summary:** ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral

membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).[supplied by OMIM, Mar

2008]



# **Product images:**



Circular map for RC228071L3