

Product datasheet for **SC327293**

ABCB5 (NM_001163941) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB5 (NM_001163941) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB5
Synonyms:	ABCB5alpha; ABCB5beta; EST422562
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001163941, the custom clone sequence may differ by one or more nucleotides

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ATGAAAAATTCAGAAAGAGCTGAAGAAATGCAAGAAAATTATCAGAGAAATGGAAGTGCAGAAGAACAGC  
CAAACTGAGAAAGGAAGCAGTTGGATCTATTGAGATATCCGCTTGGCTGATGGACTGGACATCACACT  
CATGATCTGGGTATACTGGCATCACTGGTCAATGGAGCCTGCCTTCTTTAATGCCACTGGTTTTAGGA  
GAAATGAGTGATAACCTTATTAGTGGATGTCTAGTCCAACTAACACAACAAATTATCAGAACTGTACTC  
AGTCTCAAGAGAAGCTGAATGAAGATGACTCTGTTGACCTGTATTATGTTGGAATAGGTGTTGCTGC  
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AAACAGTTTTTTCATTGATTTTTGGCACAGGACATCGGCTGGTTTGATAGCTGTGACATCGGTGAACCTA  
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GATGAAGAGATGGAGAGAGCAGCAAGGGAAGCAAATGCGTATGATTTTATCATGGAGTTTCTAATAAAT  
TTAATACATTGGTAGGGAAAAAGGAGCTCAAATGAGTGGAGGGCAGAAACAGAGGATCGCAATTGCTCG
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TGCCCTAGTTCGAAACCCCAAGATTCTGATTTTAGATGAGGCTACGTCTGCCCTGGATTAGAAAAGCAAG
TCAGCTGTTCAAGCTGCACTGGAGAAGGCGAGCAAAGGTCGGACTACAATCGTGGTAGCACACCGACTTT
CTACTATTCGAAGTGCAGATTTGATTGTGACCCTAAAGGATGGAATGCTGGCGGAGAAAGGAGCAGATGC
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AATACAACACACAAGTTGGACTGAAAGGAGCACAGCTTCTGGCGCCAGAAACAAAGACTAGCTATTGC
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GAGAAGGTGGTTCAGCATGCCCTTGATAAAGCCAGGACGGGAAGGACATGCCTAGTGGTCACTCACAGGC
TCTCTGCAATTCAGAACGCAGATTTGATAGTGGTCTGCACAATGAAAGATAAAGGAACAAGGAAGTCA
TCAAGAGCTCCTGAGAAATCGAGACATATATTTAAGTTAGTGAATGCACAGTCAAGTGCAGTGA
    
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Restriction Sites:

Please inquire

ACCN:

NM_001163941

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_001163941.1</u> , <u>NP_001157413.1</u>
RefSeq Size:	5401 bp
RefSeq ORF:	3774 bp
Locus ID:	340273
UniProt ID:	<u>Q2M3G0</u>
Cytogenetics:	7p21.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>