

## Product datasheet for **SC320214**

### **ABCB6 (NM\_005689) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABCB6 (NM_005689) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB6
Synonyms:	ABC; LAN; MTABC3; PRP; umat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_005689.1
GTTGGCAGAAGGGTCCCGGGCCAGAGCCAGCGGGCCGTGCTGAGACGGCGTACGTGCC
CTGCGTGAGTGCCTGGCGGCGCGCGTGCCTAGGGGAGTGGGCGGTGAGGCCTGGTCCA
CGTGCGTCCCTTCCCGGGACCCCGCAGCTTGGCGCCAGCGGCTACGTGAGCCAAGGCA
CCCGGATGTCCGCGCCCTCTCCGAGTGACAAGTCCCGGCTCCGGTCCCGCAGTGCCCG
CAGCCTCGGCCGGCGTCCACGCATTGCCATGGTACTGTGGCACTACTGCGAGGCCGA
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CGTGCCCTCGACCGGATGGCTCTAGGGACTCTGGCCTTGGTGCTGGCTTCCCTGCAG
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TCCCTACGTGCTGCAGCTGCTTCTGGCCACACTTCAGGCGGCGCTGCCCTGGCCGGCT
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CGTGCTGGAGAGTCTGGCCGGCGCTGTGGCTGTGGCTGCTTGTGCTGGAGCGGAGCCA
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GCGGTATGTGGTCTCTGGAGGGCTGTTTGTCTGGGTCTCTGGGCCCTGGACTTCGTCC
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CATGGGTTTGAACGGGCACTCAATGTGTTGGTGCCTATATTCTATAGGAACATTGTGAA
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CCTCAAGTTCCTCCAGGGGGTGGCACTGGCAGTACAGGCTTCGTGAGCAACCTGGCCAC
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CATCCCCACGCTGGCCGACATCATCATTGGCATCATCTACTTCAGCATGTTCTTCAACGC
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GACAGAAGTGAAGGACCTTCCCTGGAGCAGGGCCCTTCGCTTTCAGAAGGGCCGATTGA
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CACTGTGATGCCTGGACAGACACTTGCCTGGTGGGCCCATCTGGGGCAGGGAAGAGCAC
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TGAGGCAACGTCAGCGCTGGATACATCTAATGAGAGGGCCATCCAGGCTTCTCTGGCCAA
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CAAAGACTAACCCAGAAGGGAATAAGATGTGTCTCTTCCCTGGCTATTTTCATCCTGG
TCTTGGGGTATGGTGCTAGCTATGGTAAGGGAAAGGGACCTTCCGAAAAACATCTTTTG
GGGAAATAAAAAATGTGGACTGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005689
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005689.1</a> , <a href="#">NP_005680.1</a>
<b>RefSeq Size:</b>	2993 bp
<b>RefSeq ORF:</b>	2529 bp
<b>Locus ID:</b>	10058
<b>UniProt ID:</b>	<a href="#">Q9NP58</a>
<b>Cytogenetics:</b>	2q35
<b>Domains:</b>	ABC_membrane, ABC_tran, AAA
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	ABC transporters
<b>Gene Summary:</b>	<p>This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. This protein is a member of the heavy metal importer subfamily and plays a role in porphyrin transport. This gene is the molecular basis of the Langereis (Lan) blood group antigen and mutations in this gene underlie familial pseudohyperkalemia and dyschromatosis universalis hereditaria. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>