

## Product datasheet for **SC306228**

### ABCC11 (NM\_145186) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABCC11 (NM_145186) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCC11
Synonyms:	EWWD; MRP8; WW
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145186, the custom clone sequence may differ by one or more nucleotides

```
ATGACTAGGAAGAGGACATACTGGGTGCCCAACTCTTCTGGTGGCCTCGTGAATCGTGCC
ATCGACATAGGCGATGACATGGTTTCAGGACTTATTTATAAAAACCTATACTCTCCAAGAT
GGCCCTGGAGTCAGCAAGAGAGAAAATCCTGAGGCTCCAGGGAGGGCAGCTGTCCACCAG
TGGGGGAAGTATGATGCTGCCTTGAGAACCATGATTCCCTTCCGTCCTCAAGCCGAGGTTT
CCTGCCCCAGCCCTGGACAATGCTGGCCTGTTCTCTACCTACCTACCGTGTGATGGCTC
ACCCCGCTCATGATCAAAGCTTACGGAGTCGCTTAGATGAGAACACCATCCCTCCACTG
TCAGTCCATGATGCCTCAGACAAAAATGTCAAAGGCTTACCCGCTTTGGGAAGAAGAA
GTCTCAAGGCGAGGGATTGAAAAAGCTTCAAGTCTTCTGGTGATGCTGAGGTTCCAGAGA
ACAAGGTTGATTTTCGATGCACTTCTGGGCATCTGCTTCTGCATTGCCAGTGTACTCGGG
CCAATATTGATTATACCAAAGATCCTGGAATATTCAGAAGAGCAGTTGGGGAATGTTGTC
CATGGAGTGGGACTCTGCTTTGCCCTTTTTCTCTCCGAATGTGTGAAGTCTCTGAGTTTC
TCCTCCAGTTGGATCATCAACCAACGCACAGCCATCAGGTTCCGAGCAGCTGTTTCTCC
TTTGCCTTTGAGAAGCTCATCAATTTAAGTCTGTAATACACATCACCTCAGGAGAGGCC
ATCAGCTTCTTACCAGGATGTAACCTACCTGTTTGAAGGGGTGTGCTATGGACCCCTA
GTACTGATCACCTGCGCATCGTGGTCACTGTCAGCATTCTTCTACTTCAATTATTGGA
TCACTGCATTTATTGCCATCTTATGCTATCTCCTGGTTTTCCCACTGGCGGTATTCATG
ACAAGAATGGCTGTGAAGGCTCAGCATCACACATCTGAGGTCAGCGACCAGCGCATCCGT
GTGACCAGTGAAGTTCTCACTTGCATTAAGCTGATTAATGTACACATGGGAGAAACCA
TTTGCAAAAATCATTGAAGACCTAAGAAGGAAGGAAAGGAAACTATTGGAGAAGTGCAGG
CTTGCCAGAGCCTGACAAGTAAACCTTGTTTCATCATCCCCACAGTGGCCACAGCGGTC
TGGGTTCTCATCCACACATCCTTAAAGCTGAAACTCACAGCGTCAATGGCCTTCAGCATG
CTGGCCTCCTTGAATCTCCTTCGGCTGTCAGTGTCTTTGTGCCATTGCAGTCAAAGGT
CTCAGCAATCCAAGTCTGCAGTGTGAGGTTCAAGAAGTTTTCTCCAGGAGAGCCCT
GTTTTCTATGTCCAGACATTACAAGACCCAGCAAAGCTCTGGTCTTTGAGGAGGCCACC
TTGTCATGGCAACAGACCTGTCCCGGATCGTCAATGGGGCACTGGAGCTGGAGAGGAAC
GGGCATGCTTCTGAGGGGATGACCAGGCCTAGAGATGCCCTCGGGCCAGAGGAAGAAGGG
AACAGCCTGGGCCAGAGTTGCACAAGTCAACCTGGTGGTGTCCAAGGGGATGATGTTA
GGGGTCTCGCGCAACACGGGGAGTGGTAAGAGCAGCCTGTTGTGACCCATCCTGGAGGAG
ATGCACCTGCTCGAGGGCTCGGTGGGGTGCAGGGAAGCCTGGCCTATGTCCCCAGCAG
```



[View online >](#)

```

GCCTGGATCGTCAGCGGGAACATCAGGGAGAACATCCTCATGGGAGGCGCATATGACAAG
GCCCGATACCTCCAGGTGCTCCACTGCTGCTCCCTGAATCGGGACCTGGAACCTTCTGCC
TTTGGAGACATGACAGAGATTGGAGAGCGGGCCCTCAACCTCTCTGGGGGCAGAAACAG
AGGATCAGCCTGGCCCGCCGCTCTATCCGACCGTCAGATCTACCTGCTGGACGACCCC
CTGTCTGCTGTGGACGCCACGTGGGGAAGCACATTTTGGAGAGTGCATTAAGAAGACA
CTCAGGGGAAGACGGTCTGCTGGTGACCCACCAGCTGCAGTACTTAGAATTTTGTGGC
CAGATCATTTTGTGGAAAATGGGAAAATCTGTGAAAATGGAACCTCACAGTGAATTAATG
CAGAAAAAGGGGAAATATGCCAACTTATCCAGAAGATGCAACAAGGAAGCCACTTCGGAC
ATGTTGCAGGACACAGCAAGATAGCAGAGAAGCCAAAGGTAGAAAAGTCAGGCTCTGGCC
ACCTCCCTGGAAGAGTCTCTCAACGAAAATGCTGTGCCGGAGCATCAGCTCACACAGGAG
GAGGAGATGGAAGAAGGCTCCTTGAGTTGGAGGGTCTACCACCACTACATCCAGGCGACT
GGAGGTTACATGGTCTCTGCATAATTTTCTTCTCGTGGTGTGATCGTCTTCTTAACG
ATCTTCAGCTTCTGGTGGCTGAGCTACTGGTTGGAGCAGGGCTCGGGACCAATAGCAGC
CGAGAGAGCAATGGAACCATGGCAGACCTGGGCAACATTGCAGACAATCCTCAACTGTCC
TTCTACCAGCTGGTGTACGGGCTCAACGCCCTGCTCCTCATCTGTGTGGGGTCTGCTCC
TCAGGGATTTTACCAAGGTCACGAGGAAGGCATCCACGCCCTGCACAACAAGCTTTC
AACAAAGTTTTCCGCTGCCCCATGAGTTTCTTTGACACCATCCCAATAGGCCGGCTTTTG
AACTGCTTCGCAGGGGACTTGAACAGCTGGACCAGCTCTTGCCCATCTTTTCAGAGCAG
TTCTGGTCTGTCTTAAATGGTGATCGCCGCTCTGTTGATTGTGAGTGTGCTGTCTCCA
TATATCTGTTAATGGGAGCCATAATCATGGTTATTTGCTTCATTTATTATATGATGTTT
AAGAAGGCCATCGGTGTGTTCAAGAGACTGGAGAACTATAGCCGGTCTCCTTTATTCTCC
CACATCTCAATTCTCTGCAAGGCTGAGCTCCATCCATGTCTATGGAAAACTGAAGAC
TTCATCAGCCAGTTTAAAGAGGCTGACTGATGCGCAGAATAACTACCTGCTGTTGTTCTA
TCTTCCACACGATGGATGGCATTGAGGCTGGAGATCATGACCAACCTTGTGACCTTGGCT
GTTGCCCTGTTCTGGTGGTTTTGGCATTTCCTCCACCCCTACTCCTTTAAAGTCATGGCT
GTCAACATCGTGTGACGCTGGCGTCCAGCTTCCAGGCCACTGCCCGATTGGCTTGGAG
ACAGAGGCACAGTTCACGGCTGTAGAGAGGATACTGCAGTACATGAAGATGTGTCTCG
GAAGCTCCTTTACACATGGAAGGCACAAGTTGCCCCAGGGGTGGCCACAGCATGGGGAA
ATCATATTTCAGGATTATCATATGAAATACAGAGACAACACACCCACCGTCTTCACGGC
ATCAACCTGACCATCCGCGGCCACGAAGTGGTGGGCATCGTGGGAAGGACGGGCTCTGGG
AAGTCTCCTTGGGCATGGCTCTCTCCGCTGGTGGAGCCCATGGCAGGCCGGATTCTC
ATTGACGGCTGGACATTTGCAGCATCGCCTGGAGGACTTGGCGTCCAAGCTCTCAGTG
ATCCCTCAAGATCCAGTGTGCTCTCAGGAACCATCAGATTCAACCTAGATCCCTTTGAC
CGTCACACTGACCAGCAGATCTGGGATGCCTTGGAGAGGACATTCTGACCAAGGCCATC
ATCCTTATCGATGAAGCCACAGCCTCCATTGACATGGAGACAGACACCCTGATCCAGCGC
ACAATCCGTGAAGCCTTCCAGGGCTGCACCGTGTGCTCATTGCCACCGTGTCAACCACT
GTGCTGAACTGTGACCACATCCTGGTTATGGGCAATGGGAAGGTGGTAGAATTTGATCGG
CCGGAGGTACTGCGGAAGAAGCCTGGGTATTGTTGCGAGCCCTCATGGCCACAGCCACT
TCTTCACTGAGATAA
    
```

- Restriction Sites:** Please inquire
- ACCN:** NM\_145186
- OTI Disclaimer:** 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).
- 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.

<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>	<u>NM_145186.1, NP_660187.1</u>
<b>RefSeq Size:</b>	4476 bp
<b>RefSeq ORF:</b>	4035 bp
<b>Locus ID:</b>	85320
<b>UniProt ID:</b>	<u>Q96J66</u>
<b>Cytogenetics:</b>	16q12.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	ABC transporters
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This ABC full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. The product of this gene participates in physiological processes involving bile acids, conjugated steroids, and cyclic nucleotides. In addition, a SNP in this gene is responsible for determination of human earwax type. This gene and family member ABCC12 are determined to be derived by duplication and are both localized to chromosome 16q12.1. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1, resulting in a shorter protein (isoform b), compared to isoform a.</p>