

Product datasheet for **RG217370**

ABCC11 (NM_145186) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCC11 (NM_145186) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABCC11
Synonyms:	EWWD; MRP8; WW
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217370 representing NM_145186 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTAGGAAGAGGACATACTGGGTGCCAACTCTTCTGGTGGCCTCGTGAATCGTGGCATCGACATAG
GCGATGACATGGTTTCAGGACTTATTTATAAAACCTATACTCTCCAAGATGGCCCTGGAGTCAGCAAGA
GAGAAATCCTGAGGCTCCAGGGAGGGCAGCTGTCCACCCTGGGGGAAGTATGATGCTGCCTTGAGAACC
ATGATTCCTTCCGTCCAAGCCGAGGTTTCTGCCCCAGCCCTGGACAATGCTGGCCTGTTCTCT
ACCTCACCGTGCATGGCTCACCCGCTCATGATCCAAAGCTTACGGAGTCGCTTAGATGAGAACCACAT
CCCTCCACTGTCAGTCCATGATGCCTCAGACAAAATGTCCAAAGGCTTACCCGCTTTGGGAAGAAGAA
GTCTCAAGGCGAGGGATTGAAAAAGCTTCAAGTCTTCTGGTATGCTGAGGTTCCAGAGAACAAGTTGA
TTTTCGATGCACTTCTGGGCATCTGCTTCTGCATTGCCAGTGTACTCGGGCCAATATTGATTATACCAAA
GATCCTGGAAATATTCAGAAGAGCAGTTGGGGAATGTTGTCCATGGAGTGGGACTCTGCTTTGCCCTTTT
CTCTCCGAATGTGTGAAGTCTCTGAGTTTCTCCTCCAGTTGGATCATCAACCAACGCACAGCCATCAGGT
TCCGAGCAGCTGTTTCTCCTTTGCCTTGAGAAGCTCATCCAATTAAGTCTGTAATACACATCACCTC
AGGAGAGGCCATCAGCTTCTTACCCTGATGTAACTACCTGTTTGAAGGGGTGCTATGGACCCCTA
GTACTGATCACCTGCGCATCGCTGGTCACTGTCAGCATTCTTCTACTTCAATATTGGATACACTGCAT
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CTGATTAATAATGTACACATGGGAGAAACATTTGCAAAAATCATTGAAGACCTAAGAAGGAAGAAAGGA
AACTATTGGAGAAGTGCAGGCTTGTCCAGAGCCTGACAAGTATAACCTTGTTCATCATCCCCACAGTGCC
CACAGCGTCTGGGTTCTCATCCACACATCCTTAAAGCTGAAACTCACAGCGTCAATGGCCTTACGATG
CTGGCCTCCTTGAATCTCCTTCCGCTGTCAGTGTCTTTGTGCCTATTGCAGTCAAAGGTTCTCACGAAT
CCAAGTCTGCAGTATGAGGTTCAAGAAGTTTTCTCCAGGAGAGCCCTGTTTTCTATGTCAGACATT
ACAAGACCCAGCAAAGCTCTGGTCTTTGAGGAGGCCACCTTGCATGGCAACAGACCTGTCCCGGATC



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GTCAATGGGGACTGGAGCTGGAGAGGAACGGGCATGCTTCTGAGGGGATGACCAGGCCTAGAGATGCCCTCGGGCCAGAGGAAGAAGGGAACAGCCTGGGCCAGAGTTGCACAAGATCAACCTGGTGGTGTCCAAGGGGATGATGATGTTAGGGGTCTGCGGCAACACGGGGAGTGGTAAGAGCAGCCTGTTGTACGCCATCCTGGAGGAGATGCACTTGTCTGAGGGCTCGTGGGGGTGCAGGGAAGCCTGGCCTATGTCCCCAGCAGGCCTGGATCGTCAGCGGGAACATCAGGGAGAACATCCTCATGGGAGGCGCATATGACAAGGCCGATACCTCCAGGTGCTCCACTGCTGCTCCCTGAATCGGGACCTGGAACCTCTGCCCTTTGGAGACATGACAGAGATTGGAGAGCGGGCTCAACCTCTCTGGGGGCGAGAAACAGAGGATCAGCCTGGCCCGCCGCTATTCCGACCGTCAGTCTACCTGCTGGACGACCCCTGTCTGCTGTGGACGCCACGTGGGGAAGCACATTTTGGAGAGTGCATTAAGAAGACACTCAGGGGAAGACGGTCTGCTGCTGACCCACCAGCTGCAGTACTTAGAATTTTGTGGCCAGATCATTTTGTGGAAAATGGGAAAATCTGTGAAAATGGAACCTCACAGTGAGTTAATGCAGAAAAAGGGAAAATATGCCAACTTATCCAGAAGATGCACAAGGAAGCCACTTCGGACATGTTGCAGGACACAGCAAAATAGCAGAGAAGCCAAAGGTAGAAAGTCAAGGCTCTGGCCACCTCCCTGGAAGAGTCTCTCAACGGAAATGCTGTGCCGAGCATCAGCTCACACAGGAGGAGATGGAAGAAGGCTCCTTGAGTTGGAGGGTCTACCACCACTACATCCAGGCAGCTGGAGGTTACATGGTCTCTTGCCATAATTTTCTTCTCGTGGTGTGATCGTCTTCTTAAAGATCTTCACTTCTGGTGGCTGAGCTACTGGTTGGAGCAGGGCTCGGGACCAATAGCAGCCGAGAGAGCAATGGAACCATGGCAGACCTGGGCAACATTGCAGACAATCCCAACTGTCTCTACCAGCTGGTGTACGGGCTCAACGCCCTGCTCCTCATCTGTGTGGGGTCTGCTCCTCAGGGATTTTACCAGGTCAAGGAGGAAAGGCATCCACGGCCCTGCACAACAAGCTCTTCAACAAGGTTTTCCGCTGCCCATGAGTTTCTTTGACACCATCCAATAGGCCGGCTTTTGAAGTCTTCGCAGGGGACTTGAACAGCTGGACCAGCTCTTGCCCATCTTTTTCAGAGCAGTTCCTGGTCTGTCTTAATGGTGATCGCCGCTCCTGTTGATTGTCAAGTGTGCTGTCTCCATATCCTGTTAATGGGAGCCATAATCATGGTTATTTGCTTCATTTATTATATGATGTTCAAGAAGCCATCGGTGTGTTCAAGAGACTGGAGAACTATAGCCGGTCTCCTTTATTCTCCACATCCTCAATCTCTGCAAGGCCTGAGCTCCATGCTCTATGGAAAACTGAAGACTTCATCAGCCAGTTTAAAGAGTCTGACTGATGCGCAGAATAACTACCTGCTGTTGTTTCTATCTTCCACAGGATGGATGGCATTGAGGCTGGAGATCATGACCAACCTTGTGACCTGGCTGTTGCCCTGTTGCTGGCTTTTGGCATTTCCTCCACCCCTACTCCTTAAAGTCATGGCTGTCAACATCGTGCTGCAGCTGGCGTCCAGCTTCCAGGCCACTGCCCGGATGGCTTGGAGACAGAGGCACAGTTCACGGCTGTAGAGAGGATACTGCAGTACATGAAGATGTGTCTCGGAAGCTCCTTTACACATGGAAGGCACAAGTTGTCCCCAGGGTGGCCACAGCATGGGAAAATCATATTTCCAGGATTACACATGAAATACAGAGACAACACCCACCGTCTTACGGCATCAACCTGACCATCCGCGGCCACGAAGTGGTGGCATCGTGGGAAGGACGGGCTCTGGGAAGTCTCCTTGGGCATGGCTCTTCCGCTGGTGGAGCCCATGGCAGGCCGATTCTCATTGACGGCTGGACATTTGCAGCATCGGCCTGGAGGACTTGCGGTCCAAGCTCTCAGTGATCCCTCAAGATCCAGTGTCTCTCAGGAACCATCAGATTCAACCTAGATCCCTTTGACCGTCACACTGACCAGCAGATCTGGGATGCCTTGGAGAGGACATTCCTGACCAAGGCCATC ATCCTTATCGATGAAGCCACAGCCTCCATTGACATGGAGACAGACACCCTGATCCAGCGCACAAATCCGTTGAAGCCTTCCAGGGCTGCACCGTGTCTGTCATTGCCACCGTGTACCCTGTGCTGAACTGTGACCACATCCTGGTTATGGGCAATGGGAAGGTGGTAGAATTTGATCGGCCGGAGGACTGCGGAAGAAGCCTGGGTCA TTGTTCCAGCCCTCATGGCCACAGCCACTTCTCACTGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217370 representing NM_145186
 Red=Cloning site Green=Tags(s)

MTRKRTYWVNPSSGGLVNRGIDIGDDMVSGLIYKTYTLQDGPWSQQERNPEAPGRAAVPPWPKYDAALRT
 MIPFRPKPRFPAPQPLDNAGLFSYLTVSWLTPLMIQSLRSRLDENTIPPLSVHSDKNVQRLHRLWEEE
 VSRRGIEKASVLLVMLRFQRTLIFDALLGICFCIASVLPILIIIPKILEYSEEQLGNVVHGVGLCFALF
 LSECVKSLSFSSSWIINQRTAIRFRAAVSSFAFEKLIQFKSVIHITSGEAISFFTDGVNYLFEGVCYGPL
 VLIITCASLVICSISSYFIIGYTAFAIALCYLLVFPLAVFMRMAVKAQHHTSEVSDQRIRVTSEVLTCIK
 LIKMYTWEKPFAKIIEDLRRKERKLEKCGLVQSLTSITLFIIPTVATAVVWLIHTSLKLLTASMAFSM
 LASLNLRLSVFFVPIAVKGLTNSKSVMRFKFFLQESPVFYVQTLQDPSKALVFEEATLSWQQTCPGI
 VNGALELERNGHASEGMTRPRDALGPEEEGNSLGPETHKINLVVSKGMLGVCNGTSGSKSLLSAILEE
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 QIILLKENGKICENGTHSELMQKKGKYAQLIQMHKEATSDMLQDTAKIAEKPKVESQALATSLEESLNGN
 AVPEHQLTQEEEMEEGSLSWRVYHHYIQAAGGYMVSCIIFFFVLLIVFLTIFSFWWLSYWLEQSGSTNSS
 RESNGTMADLGNADNPQLSFYQLVYGLNALLLTCVGVCSGGIFTKVTRKASTALHNKLFNKVFRCPMSF
 FDTIPIGRLLNCFAGDLEQLDQLLPIFSEQFLVLSLMIIVALLIVSVLSPYILLMGAIMVICFIYMMF
 KKAIGVFKRLENYSRPLFSHILNSLQGLSSIHYGKTEDFISQFKRLTDAQNNYLLFLSSTRWMLRL
 EIMTNLVTLAVALFVAFGISSTPYSFKVMVNIIVLQLASSFQATARIGLETEAQTAVERILQYMKMCVS
 EAPLHMGTSCPQGWPHGEIIFQDYHMKYRDNTPTVLHGINLIRGHEVVGIVGRTGSGKSSLMALFR
 LVEPMAGRILIDGVDICSIGLEDLRSKLSVIPQDPVLLSGTIRFNLDPFDRHTDQIWDALERTFLTKAI
 ILIDEATASIDMETDTLIQRTIREAFQGCTVLVIAHRVTVLNCDHILVMGNGKVVEFDRPEVLKPKGS
 LFAALMATATSSLR

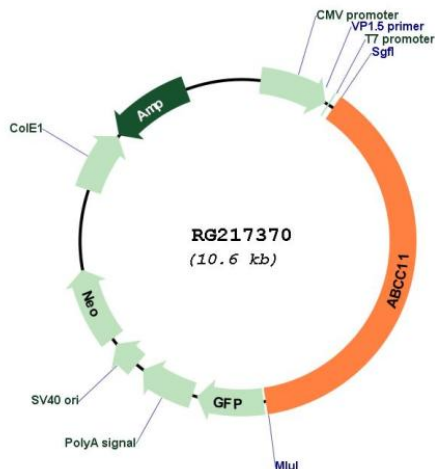
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_145186

ORF Size: 4032 bp

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: [NM_145186.3](#)

RefSeq Size: 4462 bp

RefSeq ORF: 4035 bp

Locus ID: 85320

UniProt ID: [Q96J66](#)

Cytogenetics: 16q12.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

Gene Summary: 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]