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Product datasheet for RC220645

ABCC11 (NM_033151) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCC11 (NM_033151) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABCC11
Synonyms:	EWWD; MRP8; WW
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC220645 representing NM_033151
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTAGGAAGAGGACATACTGGGTGCCCAACTCTTCTGGTGGCCTCGTGAATCGTGGCATCGACATAG
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ACCTCACCGTGTCATGGCTCACCCCGCTCATGATCCAAAGCTTACGGAGTCGCTTAGATGAGAACACCAT
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GTCAATGGGGCACTGGAGCTGGAGAGGAACGGGCATGCTTCTGAGGGGATGACCAGGCCTAGAGATGCCC
TCGGGCCAGAGGAAGAAGGGAACAGCCTGGGCCCAGAGTTGCACAAGATCAACCTGGTGGTGTCCAAGGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC220645 representing NM_033151
Red=Cloning site Green=Tags(s)

MTRKRTYWVPNSSGGLVNRGIDIGDDMVSGLIYKTYTLQDGPWSQQERNPEAPGRAAVPPWGKYDAALRT
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EIMTNLVTLAVALFVAFGISSTPYSFKVMAVNIVLQLASSFQATARIGLETEAQFTAVERILQYMKMCVS
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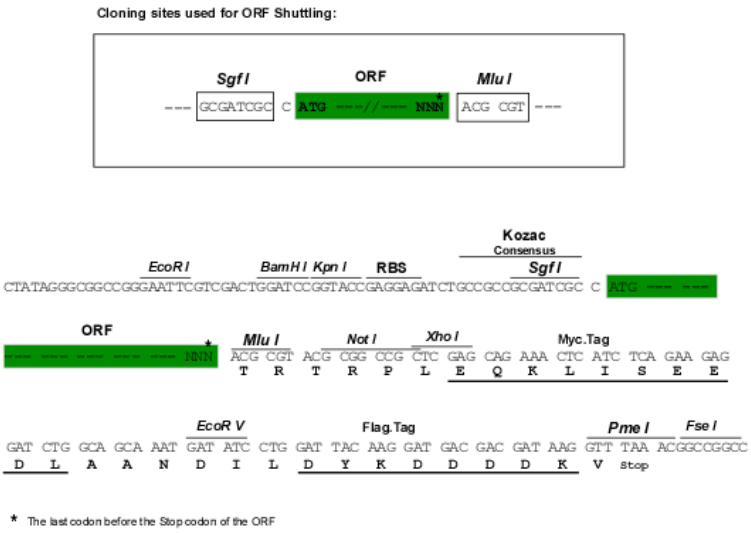
Chromatograms: https://cdn.origene.com/chromatograms/mk8011_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

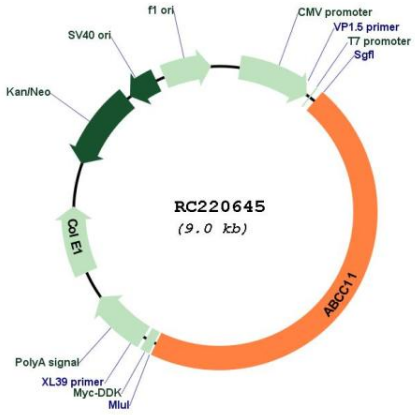


ACCN: NM_033151

ORF Size: 4146 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_033151.4
RefSeq Size:	4862 bp
RefSeq ORF:	4149 bp
Locus ID:	85320
UniProt ID:	Q96J66
Cytogenetics:	16q12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
MW:	154.1 kDa
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]

Product images:



Circular map for RC220645