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Product datasheet for SC331939

ABCB9 (NM_001243013) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB9 (NM_001243013) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCB9
Synonyms:	EST122234; TAPL
Vector:	pCMV6-Entry (PS100001)

View online »

Fully Sequenced ORF:

>SC331939 representing NM_001243013.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGGCTGTGGAAGGCGGTGGTGGTGACTTTGGCCTTCATGAGTGTGGACATCTGCGTGACCACGGCC
ATCTATGTCTTCAGCCACCTGGACCGCAGCCTCCTGGAGGACATCCGCCACTTCAACATCTTTGACTCG
GTGCTGGATCTCTGGGCAGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGAGCCACCATTGGTGTGGCC
AAGAACAGTGCGCTGGGGCCCCGGCGGCTGCGGGCCTCGTGGCTGGTCATCACCCTCGTGTGCCTCTTC
GTGGGCATCTATGCCATGGTGAAGCTGCTGCTCTTCTCAGAGGTGCGCAGGCCCATCCGGGACCCCTGG
TTTTGGGCCCTGTTCGTGTGGACGTACATTTCACTCGGCGCATCCTTCCTGCTCTGGTGGCTGCTGTCC
ACCGTGCGGCCAGGCACCCAGGCCCTGGAGCCAGGGGCGGCCACCGAGGCTGAGGGCTTCCCTGGGAGC
GGCCGGCCACCGCCCGAGCAGGCGTCTGGGGCCACGCTGCAGAAGCTGCTCTCCTACACCAAGCCCGAC
GTGGCCTTCCTCGTGGCCGCCTCCTTCTTCCTCATCGTGGCAGCTCTGGGAGAGACCTTCCTGCCCTAC
TACACGGGCCGCGCCATTGATGGCATCGTCATCCAGAAAAGCATGGATCAGTTCAGCACGGCTGTCGTC
ATCGTGTGCCTGCTGGCCATTGGCAGCTCATTTGCCGCAGGTATTCGGGGCGGCATTTTTACCCTCATA
TTTGCCAGACTGAACATTCGCCTTCGAAACTGTCTCTTCCGCTCACTGGTGTCCCAGGAGACAAGCTTC
TTTGATGAGAACCGCACAGGGGACCTCATCTCCCGCCTGACCTCGGACACCACCATGGTCAGCGACCTG
GTCTCCCAGAACATCAATGTCTTCCTGCGGAACACAGTCAAGGTCACGGGCGTGGTGGTCTTCATGTTC
AGCCTCTCATGGCAGCTCTCCTTGGTCACCTTCATGGGCTTCCCCATCATCATGATGGTGTCCAACATC
TACGGCAAGTACTACAAGAGGCTCTCCAAAGAGGTCCAGAATGCCCTGGCCAGAGCGAGCAACACGGCG
GAGGAGACCATCAGTGCCATGAAGACTGTCCGGAGCTTCGCCAATGAGGAGGAGGAGGCAGAGGTGTAC
CTGCGGAAGCTGCAGCAGGTGTACAAGCTGAACAGGAAGGAGGCAGCTGCCTACATGTACTACGTCTGG
GGCAGCGGGCTCACACTGCTGGTGGTCCAGGTCAGCATCCTCTACTACGGGGGCCACCTTGTCATCTCA
GGCCAGATGACCAGCGGCAACCTCATCGCCTTCATCATCTACGAGTTTGTCCTGGGAGATTGTATGGAG
AATGTCTCCTTCAGCCTGTCCCCCGGCAAGGTGACGGCCCTGGTGGGGCCCTCGGGCAGTGGGAAGAGC
TCCTGTGTCAACATCCTGGAGAACTTCTACCCCCTGGAGGGGGGCCGGGTGCTGCTGGACGGCAAGCCC
ATCAGCGCCTACGACCACAAGTACTTGCACCGTGTGATCTCCCTGGTGAGCCAGGAGCCCGTGCTGTTC
GCCCGCTCCATCACGGATAACATCTCCTACGGCCTGCCCACTGTGCCTTTCGAGATGGTGGTGGAGGCC
GCACAGAAGGCCAATGCCCACGGCTTCATCATGGAACTCCAGGACGGCTACAGCACAGAGACAGGGGAG
AAGGGCGCCCAGCTGTCAGGTGGCCAGAAGCAGCGGGTGGCCATGGCCCGGGCTCTGGTGCGGAACCCC
CCAGTCCTCATCCTGGATGAAGCCACCAGCGCTTTGGATGCCGAGAGCGAGTATCTGATCCAGCAGGCC
ATCCATGGCAACCTGCAGAAGCACACGGTACTCATCATCGCGCACCGGCTGAGCACCGTGGAGCACGCG
CACCTCATTGTGGTGCTGGACAAGGGCCGCGTAGTGCAGCAGGGCACCCACCAGCAGCTGCTGGCCCAG
GGCGGCCTCTACGCCAAGCTGGTGCAGCGGCAGATGCTGGGGCTTCAGCCCGCCGCAGACTTCACAGCT
GGCCACAACGAGCCTGTAGCCAACGGCAGTCACAAGGCCTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001243013

Insert Size: 2112 bp

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).

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_001243013.1
RefSeq Size:	3357 bp
RefSeq ORF:	2112 bp
Locus ID:	23457
UniProt ID:	Q9NP78
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters, Lysosome
MW:	77.5 kDa
Gene Summary:	The membrane-associated 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 protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This family member functions in the translocation of peptides from the cytosol into the lysosomal lumen. Alternative splicing of this gene results in distinct isoforms which are likely to have different substrate specificities. [provided by RefSeq, Jul 2011] Transcript Variant: This variant (6) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (6) that is shorter than isoform 1.