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Product datasheet for SC309078

ABCA9 (NM_080283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCA9 (NM_080283) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCA9
Synonyms:	EST640918
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC309078 representing NM_080283.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAAGAGACGCATGAGCGTGGGTCAGCAAACATGGGCTCTTCTCTGCAAGAACTGTCTCAAAAAA
TGGAGAATGAAAAGACAGACCTTGTTGGAATGGCTCTTTTCATTTCTTCTGGTACTGTTTCTGTACCTA
TTTTTCTCCAATTTACATCAAGTTCATGACACTCCTCAAATGTCTTCAATGGATCTGGGACGTGTAGAT
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AAAAATCTTAAAAAAGAATATGCAGGGAAGTGTGAGAGAGTAGAAGCTTTGAAAGGTGTGGTGTTTGAC

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ATATATGAAGGCCAGATCACTGCCCTCCTTGGTCACAGTGGAGCTGGAAAAACTACCCTGTTAAACATA
CTTAGTGGGTTGTCAGTTCCAACATCAGGTTCAGTCACTGTCTATAATCACACACTTTCAAGAATGGCT
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CAGCACCTGGAGGTGTACGCTGCCGTGAAAGGTCTCAGGAAAGGGGACGCAATGATCGCCATCACACGG
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CGAAAGCTGTGCTTTGTGCTGAGCATCCTGGGGAACCCGTCAGTGGTGCTTCTGGATGAGCCGTCGACC
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TCAGGAAGGCTGAGATGTATTGGTTCCATCCAACACCTGAAAAGCAAATTTGGCAAAGACTACCTGCTG
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GCTGCTCAGCAGGAAAGGTTCTCCTCCCTGATGGTCTATAAGTTGCCTGTTGAGGATGTGCGACCTTTA
TCACAGGCTTTCTTCAAATTAGAGATAGTTAAACAGAGTTTCGACCTGGAGGAGTACAGCCTCTCACAG
TCTACCCTGGAGCAGGTTTTCCTGGAGCTCTCCAAGGAGCAGGAGCTGGGTGATCTTGAAGAGGACTTT
GATCCCTCGGTGAAGTGGAAACTCCTCCTGCAGGAAGAGCCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
Plasmid Map:	
ACCN:	NM_080283
Insert Size:	4875 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).
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.
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_080283.3
RefSeq Size:	6310 bp
RefSeq ORF:	4875 bp
Locus ID:	10350
UniProt ID:	Q8IUA7
Cytogenetics:	17q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
MW:	184.4 kDa
Gene Summary:	This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the encoded protein contains two transmembrane domains and two nucleotide binding folds. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White). This gene is a member of the ABC1 subfamily and is clustered with four other ABC1 family members on chromosome 17q24. Transcriptional expression of this gene is induced during monocyte differentiation into macrophages and is suppressed by cholesterol import. [provided by RefSeq, Jul 2008]