

Product datasheet for **SC338078**

ABCA8 (NM_001288986) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCA8 (NM_001288986) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCA8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001288986, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAAGAGAAAGATCAGTGTGTGTCACAACTTGGGCCTTATTATGCAAGAACTTTCTTAAAAAT
GGAGAATGAAAAGAGAGTCCTTAATGGAATGGCTGAATTCATTGCTCCTACTACTTTGTTGTATATATA
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AAATAAAAGGGATTCTGCCACAAGAAGTGGATAAAGAGATACAAAAGGGTTCTGCTGGAATTGAAATGAA
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 CTCCTCCAGGAAGAGCCTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001288986

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:	<ol style="list-style-type: none">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:	<u>NM_001288986.1</u> , <u>NP_001275915.1</u>
RefSeq Size:	5836 bp
RefSeq ORF:	4851 bp
Locus ID:	10351
UniProt ID:	<u>O94911</u>
Cytogenetics:	17q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
Gene Summary:	<p>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 intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. The encoded protein may regulate lipid metabolism and be involved in the formation and maintenance of myelin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.</p>