

Product datasheet for **RC240184**

ABCA8 (NM_001288986) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ABCA8 (NM_001288986) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ABCA8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC240184 representing NM_001288986
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

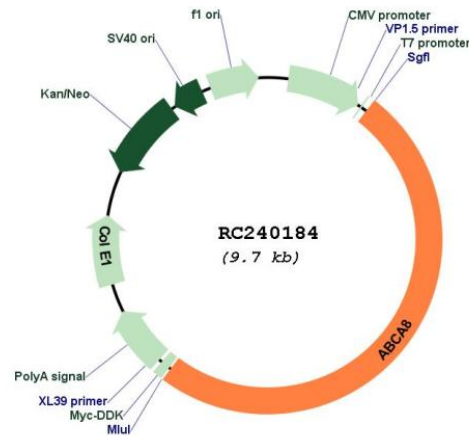
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AATGAATCCAGATTTTCTGTTGTATACACACCTGTCACCAACACGACCCAACAGATAATGAATAAAGTAG
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GGAGTTTGTCCACAATCCAATGTGCAATTTGACTTCCTCACTGTAAGAGAAAACCTCAGACTCTTTGCTA
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CTCCCCAGGAAGAGCCT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGAT AAGGTTTAA

Plasmid Map:


ACCN: NM_001288986

ORF Size: 4848 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_001288986.1](#), [NP_001275915.1](#)

RefSeq Size: 5836 bp

RefSeq ORF: 4851 bp

Locus ID: 10351

UniProt ID: [O94911](#)

Cytogenetics: 17q24.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

MW: 183.5 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 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]