

Product datasheet for **RG216823**

ABCA7 (NM_019112) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCA7 (NM_019112) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABCA7
Synonyms:	ABCA-SSN; ABCX; AD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216823 representing NM_019112 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RG216823 representing NM_019112
 Red=Cloning site Green=Tags(s)

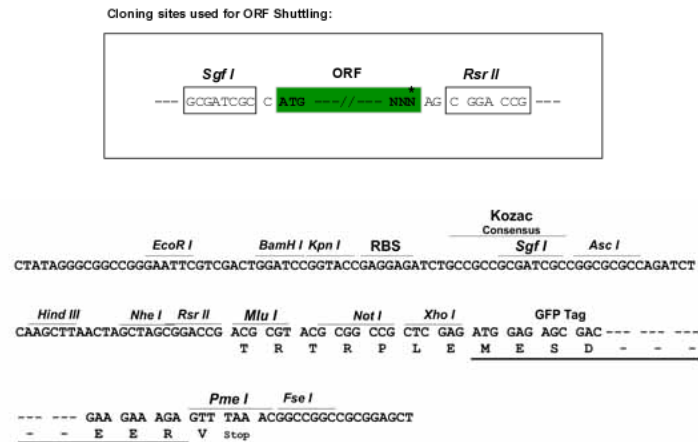
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SGPTRRRLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3772_c03.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:


ACCN: NM_019112

ORF Size: 6438 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_019112.2](#), [NP_061985.1](#)

RefSeq Size: 6704 bp

RefSeq ORF: 6441 bp

Locus ID: 10347

UniProt ID: [Q8IZY2](#)

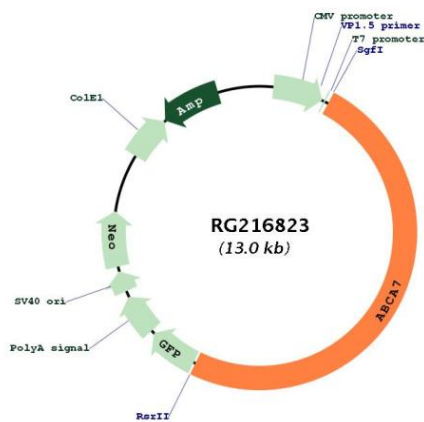
Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

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 protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. This full transporter has been detected predominantly in myelo-lymphatic tissues with the highest expression in peripheral leukocytes, thymus, spleen, and bone marrow. The function of this protein is not yet known; however, the expression pattern suggests a role in lipid homeostasis in cells of the immune system. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216823