

## Product datasheet for RC211943

### ABCA10 (NM\_080282) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABCA10 (NM_080282) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABCA10
Synonyms:	EST698739
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211943 representing NM_080282 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >RC211943 representing NM\_080282  
 Red=Cloning site Green=Tags(s)

MNKMALASFMKGRVTIGTPDEETMDIELPKKYHEMVGIVFSDTFSYRLKFNWGYRIPVKEHSEYTEHCW  
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 EDP

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Chromatograms: [https://cdn.origene.com/chromatograms/mk8011\\_h08.zip](https://cdn.origene.com/chromatograms/mk8011_h08.zip)

Restriction Sites: Sgfl-MluI

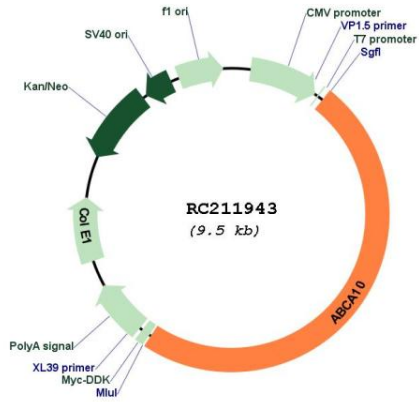
Cloning Scheme:



ACCN: NM\_080282

<b>ORF Size:</b>	4629 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_080282.4</a>
<b>RefSeq Size:</b>	6348 bp
<b>RefSeq ORF:</b>	4632 bp
<b>Locus ID:</b>	10349
<b>UniProt ID:</b>	<a href="#">Q8WWZ4</a>
<b>Cytogenetics:</b>	17q24.3
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	ABC transporters
<b>MW:</b>	175.6 kDa
<b>Gene Summary:</b>	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, and White). This encoded 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 gene is clustered among 4 other ABC1 family members on 17q24, but neither the substrate nor the function of this gene is known. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC211943