

Product datasheet for RC211700

ATP8B2 (NM_020452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP8B2 (NM_020452) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATP8B2
Synonyms:	ATPID
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211700 representing NM_020452 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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AAGATCGGGGACCCACACGCATGAGTTCTTCCGCCTCCTTCCCTGTGTCATACTGTCATGTCAGAAG
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Protein Sequence: >RC211700 representing NM_020452
Red=Cloning site Green=Tags(s)

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MDTLRAVPLFSISGLFSFPYRVSHGIAGILLGEMAVCAKKRPPEEERRARANDREYNEKFQYASNCIKTS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8010_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

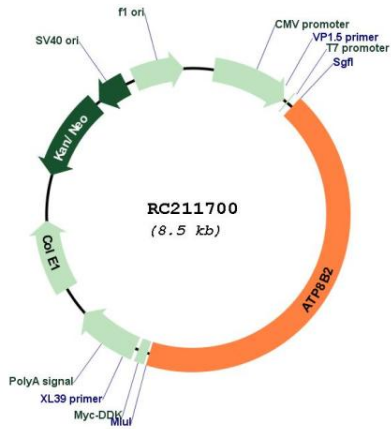


ACCN: NM_020452

ORF Size: 3669 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:	<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:	NM_020452.4
RefSeq Size:	5871 bp
RefSeq ORF:	3672 bp
Locus ID:	57198
UniProt ID:	P98198
Cytogenetics:	1q21.3
Protein Families:	Transmembrane
MW:	138.5 kDa
Gene Summary:	The protein encoded by this gene belongs to the family of P-type cation transport ATPases, and to the subfamily of aminophospholipid-transporting ATPases. The aminophospholipid translocases transport phosphatidylserine and phosphatidylethanolamine from one side of a bilayer to another. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC211700