

Product datasheet for MR215322

Atp2b4 (NM_213616) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2b4 (NM_213616) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atp2b4
Synonyms:	Pmca4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215322 representing NM_213616 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ATCCCACAGCCCACGTCTTCCCACCAAGGTTCTGGAGCTCATCGTCAATGGCATCTCTATCAACTGTG
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Protein Sequence: >MR215322 representing NM_213616
Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mm9001_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

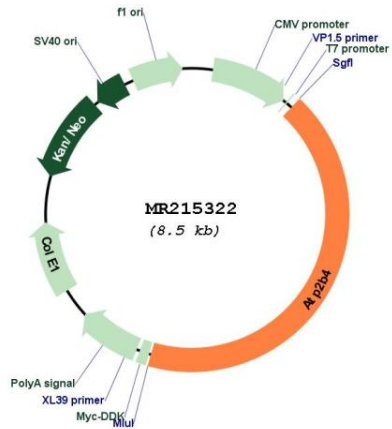


ACCN: NM_213616

ORF Size: 3615 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_213616.4 , NP_998781.1
RefSeq Size:	6284 bp
RefSeq ORF:	3618 bp
Locus ID:	381290
UniProt ID:	Q6Q477
Cytogenetics:	1 57.95 cM
MW:	133.5 kDa
Gene Summary:	Calcium/calmodulin-regulated and magnesium-dependent enzyme that catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell (By similarity). By regulating sperm cell calcium homeostasis, may play a role in sperm motility (PubMed:15078889).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215322