

Product datasheet for MR216506

Arap1 (NM_001040111) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arap1 (NM_001040111) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arap1
Synonyms: 2410002L19Rik; Centd2; mKIAA0782
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216506 representing NM_001040111
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR216506 representing NM_001040111
 Red=Cloning site Green=Tags(s)

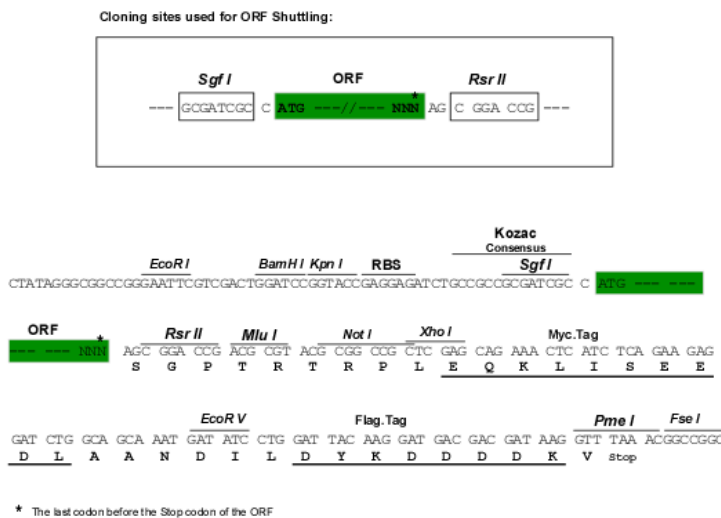
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Restriction Sites: SgfI-RsrII

Cloning Scheme:

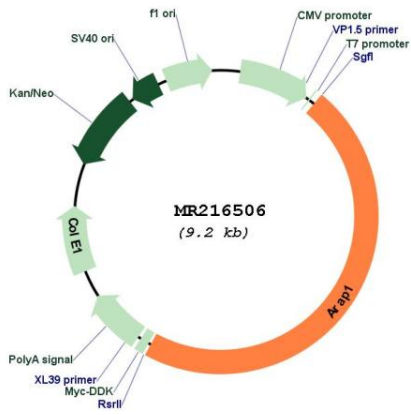


ACCN: NM_001040111

ORF Size: 4323 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_001040111.1 , NP_001035200.1
RefSeq Size:	5837 bp
RefSeq ORF:	4326 bp
Locus ID:	69710
UniProt ID:	Q4LDD4
Cytogenetics:	7 E2
MW:	161.1 kDa
Gene Summary:	Phosphatidylinositol 3,4,5-trisphosphate-dependent GTPase-activating protein that modulates actin cytoskeleton remodeling by regulating ARF and RHO family members. Is activated by phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3) binding. Can be activated by phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4,5)P2) binding, albeit with lower efficiency. Has a preference for ARF1 and ARF5 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216506