

## Product datasheet for MR216526

### Arap1 (NM\_198096) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arap1 (NM\_198096) 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:** >MR216526 representing NM\_198096  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
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ATGGCAGAGGGTTACGATGCCGCACTGTCTGTAGCTGAGTGGCTGCGGGCACTTCACCTGGAGCAGTACA  
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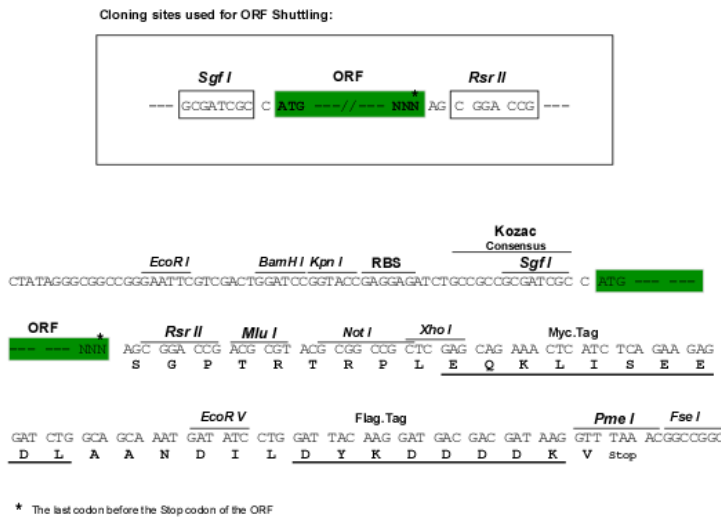
Protein Sequence: >MR216526 representing NM\_198096  
 Red=Cloning site Green=Tags(s)

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 LPPLPAKRHLVESSVPPVPRTGPPYPQASLLAKEELLPSVSPRSQPEPAETPSTLLPAFPQGPLQPPS  
 PPPCPPVIPPKPPRLLEPFDDSDYDDVPEEGPAPASVMTKEEPLSRVPRAVRVASLLSEGEELSGDDA  
 EDDDDHAYEGIPNGGWPTSGLNPPLRSLIPDLPLHPMDELPGGPTPITPVIKAGWLDKNPPQGSYIYQKR  
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 VEHRARFRLSSASVLGVRGSEQPDRAGSLELRGFKNKL YVAVTGDKVQLYKNLEEFHLGIGITFIDMNVG  
 NVKEVDRRSFDL TTPYRIF SFSADSELEKEQWLEAMQGAIAEALSTSEVAERIWAAPNRF CADCGAAQP  
 DWASINLCVVICKRCAGEHRGLGAGVSKVRS LKMDR KVWTEAL IQLFLHLGNGPGNHFWAANVPPSEALE  
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 DYITQCGLTSEGIYRKCQTSKTQRLDLSLRQDARSVHLKEGEQHVDVSSALKRFLRDLDPGLFTRAQR  
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 GDQYKAGKVVEDLINHYVVVFSVDEEELRKQREEVTAIVKMRVAGTASGTQHAGDFICTVYLEEKVETE  
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 KSLKVYLGVKKLRPPTCWGFTVVHETEKHEKQWYLC CDTQMELEWFA TFLSVQHDGLVWPSEPSRVS  
 RAVPEVRMGVSVSLIPLRGS ENEMRRSVA AFTADPLSLLRHV

SGP TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

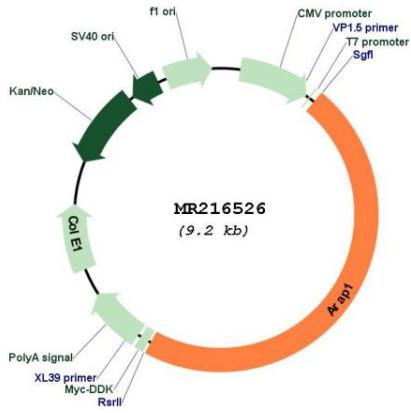


ACCN: NM\_198096

ORF Size: 4323 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 Size:</b>	3673 bp
<b>RefSeq ORF:</b>	2184 bp
<b>Locus ID:</b>	69710
<b>UniProt ID:</b>	<a href="#">Q4LDD4</a>
<b>Cytogenetics:</b>	7 E2
<b>MW:</b>	83.7 kDa
<b>Gene Summary:</b>	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 MR216526