

## Product datasheet for **MR228201**

### Ap1s2 (NM\_001290379) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap1s2 (NM\_001290379) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ap1s2  
**Synonyms:** 1500012A13Rik; AI853648; EST1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR228201 representing NM\_001290379  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGTTTATGTTGCTTTTTAGTCGCCAGGGAAAGCTTCGACTGCAGAAATGGTATGTCCCACTGTCAG  
ACAAAGAAAAGAAGAAGATCACAAGAGAACTTGTCAAACCGTTTTAGCACGGAAACCAAGATGTGCAG  
CTTCCTTGAGTGGAGAGATCTGAAGATTGTTTATAAAAAGATATGCCAGTCTATATTTTTGCTGTGCTATT  
GAGGATCAGGACAATGAAGTATTACCTGGAAATAATCCATCGTTACGTGGAATTACTTGACAAGTATT  
TTGGCAGTGTATGGAAGTATGATCATCTTTAATTTTGAGAAGGCCATTTTTATTTGGATGAATTTCT  
CTTGGGAGGAGAAGTTCAGGAAACATCCAAGAAAAATGCCTTAAAGCAATTGAGCAGGCCGATCTCCTG  
CAGGAGGATGCAAAGAAGCTGAAACCCACGTAGTGTCTTGAAGAAATTGGACTGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228201 representing NM\_001290379  
**Red**=Cloning site **Green**=Tags(s)

MQFMLLFSRQGLRLQKWYVPLSDKEKKKITRELVQTVLARKPKMCSFLEWRDLKIVYKRYASLYFCCAI  
EDQDNELITLIIHRYVELLDKYFGSVCELDIIFNFEKAYFILDEFLLGGEVQETSKKNVLKAI EQADLL  
QEDAKEAETPRSVLEEIGLT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

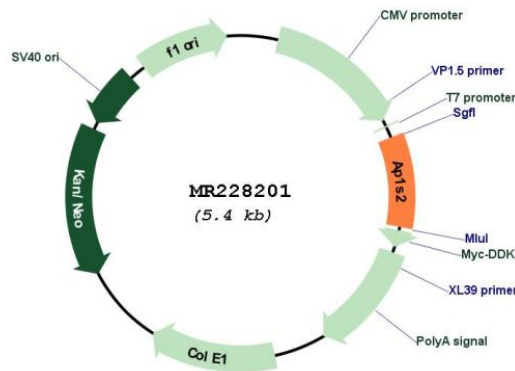


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001290379

ORF Size: 480 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.

<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>	<u>NM_001290379.1, NP_001277308.1</u>
<b>RefSeq Size:</b>	2226 bp
<b>RefSeq ORF:</b>	483 bp
<b>Locus ID:</b>	108012
<b>UniProt ID:</b>	<u>Q9DB50</u>
<b>Cytogenetics:</b>	X F5
<b>MW:</b>	19.4 kDa
<b>Gene Summary:</b>	Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules (By similarity).[UniProtKB/Swiss-Prot Function]