

## Product datasheet for **MC225990**

### Ap1s2 (NM\_001290379) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap1s2 (NM\_001290379) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ap1s2  
**Synonyms:** 1500012A13Rik; AI853648; EST1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225990 representing NM\_001290379  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGTTTATGTTGCTTTTTAGTCGCCAGGGAAAGCTTCGACTGCAGAAATGGTATGTCCCACTGTCAG  
ACAAAGAAAAGAAGAAGATCACAAGAGAACTTGTCAAACCGTTTTAGCACGGAAACCAAGATGTGCAG  
CTTCCTTGAGTGGAGAGATCTGAAGATTGTTTATAAAAGATATGCCAGTCTATATTTTTGCTGTGCTATT  
GAGGATCAGGACAATGAACTGATTACCCGGAAATAATCCATCGTTACGTGGAATTACTTGACAAGTATT  
TTGGCAGTGTATGTAAGTTGATATCATCTTTAATTTTGAGAAGGCCATTTTTATTTGGATGAATTTCT  
CTTGGGAGGAGAAGTTCAGGAAACATCCAAGAAAAATGCCTTAAAGCAATTGAGCAGGCCGATCTCCTG  
CAGGAGGATGCAAAGAAGCTGAAACCCACGTAGTGTCTTGAAGAAATTGGACTGACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290379  
**Insert Size:** 483 bp  
**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001290379.1</a></u> , <u><a href="#">NP_001277308.1</a></u>
<b>RefSeq Size:</b>	2226 bp
<b>RefSeq ORF:</b>	483 bp
<b>Locus ID:</b>	108012
<b>UniProt ID:</b>	<u><a href="#">Q9DB50</a></u>
<b>Cytogenetics:</b>	X F5
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an exon and contains two alternate 3' terminal exons, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (3) is the same length as isoform 1 but has a distinct C-terminus.</p>