

## Product datasheet for **MR228183**

### Ap1s2 (NM\_001290378) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap1s2 (NM\_001290378) 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:** >MR228183 representing NM\_001290378  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGTTTATGTTGCTTTTTAGTCGCCAGGGAAAGCTTCGACTGCAGAAATGGTATGTCCCACTGTCAG  
 ACAAGAAAAGAAGAAGATCACAAGAGAACTTGTCAAACCGTTTTAGCACGGAAACCAAGATGTGCAG  
 CTTCTTGAGTGGAGAGATCTGAAGATTGTTTATAAAAAGATATGCCAGTCTATATTTTTGCTGTGCTATT  
 GAGGATCAGGACAATGAACTGATTACCTGGAAATAATCCATCGTTACGTGGAATTACTTGACAAGTATT  
 TTGGCAGTGTATGGAAGTTGATATCATCTTTAATTTTGAGAAGGCCATTTTTATTTGGATGAATTTCT  
 CTTGGGAGGAGAAGTTCAGGAAACATCCAAGAAAAATGCCTTAAAGCAATTGAGCAGGCCGATCTCCTG  
 CAGGAGGAAGCTGAAACCCACGTAGTGTCTTGAAGAAATTGGACTGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228183 representing NM\_001290378  
 Red=Cloning site Green=Tags(s)

MQFMLLFSRQGLRLQKWWYVPLSDKEKKKITRELVQTVLARKPKMCSFLEWRDLKIVYKRYASLYFCCAI  
 EDQDNELITLIIHRYVELLDKYFGSVCELDIIFNFEKAYFILDEFLLGGEVQETSKKNVLKAI EQADLL  
 QEEAETPRSVLEEIGLT

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI





<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_001290378.1, NP_001277307.1</u>
<b>RefSeq Size:</b>	2217 bp
<b>RefSeq ORF:</b>	474 bp
<b>Locus ID:</b>	108012
<b>UniProt ID:</b>	<u>Q9DB50</u>
<b>Cytogenetics:</b>	X F5
<b>MW:</b>	19.1 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]