

Product datasheet for **MC225972**

Ap1s2 (NM_001290378) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap1s2 (NM_001290378) 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: >MC225972 representing NM_001290378
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGTTTATGTTGCTTTTTAGTCGCCAGGGAAAGCTTCGACTGCAGAAATGGTATGTCCCACTGTCAG
ACAAAGAAAAGAAGAAGATCACAAGAGAACTTGTCAAACCGTTTTAGCACGGAAACCAAGATGTGCAG
CTTCCTTGAGTGGAGAGATCTGAAGATTGTTTATAAAAGATATGCCAGTCTATATTTTTGCTGTGCTATT
GAGGATCAGGACAATGAACTGATTACCCTGAAAATAATCCATCGTTACGTGGAATTACTTGACAAGTATT
TTGGCAGTGTATGTAAGTTGATATCATCTTTAATTTTGAGAAGGCCATTTTTATTTGGATGAATTTCT
CTTGGGAGGAGAAGTTCAGGAAACATCCAAGAAAAATGCCTTAAAGCAATTGAGCAGGCCGATCTCCTG
CAGGAGGAAGCTGAAACCCACGTAGTGTCTTGAAGAAATTGGACTGACA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290378
Insert Size: 474 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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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290378.1</u> , <u>NP_001277307.1</u>
RefSeq Size:	2217 bp
RefSeq ORF:	474 bp
Locus ID:	108012
UniProt ID:	<u>Q9DB50</u>
Cytogenetics:	X F5
Gene Summary:	<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 (2) lacks an exon and contains an alternate 3' terminal exon, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) is shorter than isoform 1 and has a distinct C-terminus.</p>