

## Product datasheet for **RC236151**

### AP2S1 (NM\_001301076) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** AP2S1 (NM\_001301076) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** AP2S1  
**Synonyms:** AP17; CLAPS2; FBH3; FBH0k; HHC3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236151 representing NM\_001301076  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACTTAAGGGTCTGGGAAAGCGCTGTAAGGAGAGAGGACCTGGAGATCCGCTTATCCTCATCC  
AGAACCGGCAGCAAGACGCGCTGGCCAAGTGGTACATGCAGTTTGATGATGATGAGAAACAGAAGCT  
GATCGAGGAGGTGCATGCCGTGGTCACCGTCCGAGACGCCAAACACCAACTTTGTGGAGTTCCGGAAC  
TTAAGATCATTACCGCGCTATGCTGGCCTCTACTTCTGCATCTGTGTGGATGTCAATGACAACAACC  
TGGCTTACCTGGAGGCCATTCACAACCTCGTGGAGGTCTTAAACGAATATTTCCACAATGTCTGTGAACT  
GGACCTGGTGTCAACTTCTACAAGTTTACACGGTCTGGACGAGATGTTCTGGCTGGCGAAATCCGA  
GAGACCAGCCAGCAAGGTGCTGAAACAGCTGCTGATGCTACAGTCCCTGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236151 representing NM\_001301076  
Red=Cloning site Green=Tags(s)

MKLKGLGKRCKRREDLEIRFILIQNRAGKTRLAKWYMQFDDDEKQKLIIEVHAVVTVRDAKHTNFVEFRN  
FKIYYRYAGLYFCICVDVNDNNLAYLEAIHNFVEVLNEYFHNVCEDLVFNFYKYVTVVDEMFLAGEIR  
ETSQTKVLKQLLMLQSLE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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<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_001301076.2</u>
<b>RefSeq Size:</b>	890 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	1175
<b>UniProt ID:</b>	<u>P53680</u>
<b>Cytogenetics:</b>	19q13.32
<b>Protein Pathways:</b>	Endocytosis, Huntington's disease
<b>MW:</b>	19.4 kDa
<b>Gene Summary:</b>	One of two major clathrin-associated adaptor complexes, AP-2, is a heterotetramer which is associated with the plasma membrane. This complex is composed of two large chains, a medium chain, and a small chain. This gene encodes the small chain of this complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]