

Product datasheet for RC236127

AP2S1 (NM_001301078) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP2S1 (NM_001301078) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AP2S1
Synonyms: AP17; CLAPS2; FBH3; FBHOk; HHC3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236127 representing NM_001301078
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATCCGCTTTATCCTCATCCAGAACCGGCAGGCAAGACGCGCCTGGCCAAGTGGTACATGCAGTTTG
ATGATGATGAGAAACAGAAGCTGATCGAGGAGTGCATGCCGTGGTCACCGTCCGAGACGCCAAACACAC
CAACTTTGTGGAGTCTGGCAATCTCCGTTGCTGACAGCCTCTCTGTTCTGCAGTCCGGAACCTTAAG
ATCATTTACCGCCGCTATGCTGGCCTCTACTTCTGCATCTGTGTGGATGTCAATGACAACACCTGGCTT
ACCTGGAGGCCATTCACTTCTGGAGGCTTAAACGAATATTTCCACAATGTCTGTGAACCTGGACCT
GGTGTCAACTTCTACAAGTTTACACGGTCGTGGACGAGATGTTCTGGCTGGCGAAATCCGAGAGACC
AGCCAGACGAAGGTGCTGAAACAGCTGCTGATGCTACAGTCCCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236127 representing NM_001301078
Red=Cloning site Green=Tags(s)

MIRFILIQNRAKTRLAKWYMQFDDDEKQKLIIEVHAVVTVRDAKHTNFVEVLAISVADSLSVLQFRNFK
IIYRRYAGLYFCICVDVNDNNLAYLEAIHNFVEVLNEYFHNVCLELDLVFNFYKVYTVVDEMFLAGEIRET
SQTAKVLKQLLMLQSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

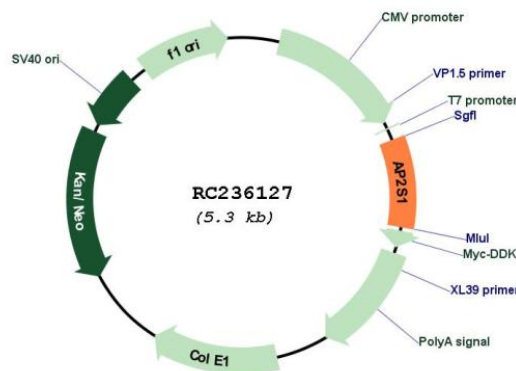
Restriction Sites: Sgfl-Mlul



Cloning Scheme:



Plasmid Map:



ACCN: NM_001301078

ORF Size: 468 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.

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_001301078.2</u>
RefSeq Size:	1007 bp
RefSeq ORF:	471 bp
Locus ID:	1175
UniProt ID:	<u>P53680</u>
Cytogenetics:	19q13.32
Protein Pathways:	Endocytosis, Huntington's disease
MW:	18.9 kDa
Gene Summary:	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]