

Product datasheet for **RC232094**

AP5S1 (NM_001204446) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP5S1 (NM_001204446) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AP5S1
Synonyms: C20orf29
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232094 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCCACGCCTTCTCATTACACCTTGAGGGCCCCGAATACTGAGGACACGGGCCTTTGCCGAGTGC
 TGTACTCTCGCTCTTCGGTGCTGAGAAGTCACCTGATGACCCACGGCCGCATGGTGCCGAGAGGGACAG
 GCTTCTCCGGAAGGAACAGATTTTAGCTGTGGCCAGGCAGGTAGAGTCAATGTGTCGGCTGCAGCAGCAG
 GCATCTGGCCGGCCCCCATGGACCTGCAGCCGAATCCTCAGATGAGCAAGTCCCGCTGCACGAGGCC
 CACGTGGGGCTTCCGCCTGGCAGCAGAGAACCCTTCCAGGAGCCACGGACGGTGGTGTGGCTGGGCGT
 GCTCTCGTTAGGCTTTGCCCTGGTGGTGGATGCCATGAGAACCCTGCTACTGGCTGAGGGCAGCTCCGG
 CTGCTGACACGCCTCCTCCTTGACCACCTCCGGCTGCTGGCGCCAGCACCAGCCTTCTGCTGCGGGCTG
 ACCGCATTGAGGGCATCCTCACCCGCTTCTGCCACATGGTCAGCTGCTTTTCTCAACGACCAGTTTGT
 CCAAGGCCTGGAGAAGGAATTCAGTGCCGCTTGGCCCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232094 protein sequence
 Red=Cloning site Green=Tags(s)

MVHAFILHTLRAPNTEDTGLCRVLYSCVFGAEKSPDDPRPHGAERDRLRKEQILAVARQVESMCRLLQQQ
 ASGRPPMDLQPQSSDEQVPLHEAPRGAFLAAENPFQEPRTVVWLVLSLGFALVLDAHENLLLAEGTLR
 LLTRLLLDHLRLLAPSTSLLLRADRIEILTRFLPHGQLLFLNDQFVQGLEKEFSAAWPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6348_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001204446

ORF Size: 600 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:

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: [NM_001204446.1](#), [NP_001191375.1](#)

RefSeq Size: 1960 bp

RefSeq ORF: 603 bp

Locus ID: 55317

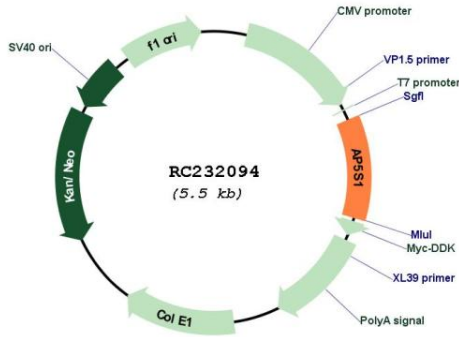
UniProt ID: Q9NUS5

Cytogenetics: 20p13

MW: 22.5 kDa

Gene Summary: As part of AP-5, a probable fifth adaptor protein complex it may be involved in endosomal transport. According to PubMed:20613862, it is required for efficient homologous recombination DNA double-strand break repair.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC232094