

Product datasheet for **RG208115**

AP5S1 (NM_018347) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP5S1 (NM_018347) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AP5S1
Synonyms: C20orf29
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208115 representing NM_018347
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCACGCCTTCTCATTACACCTTGAGGGCCCCGAATACTGAGGACACGGCCCTTTCGCCAGTGC
TGTACTCTCGCTCTTCGGTGTGAGAAGTACCTGATGACCCACGGCCGCATGGTGCCGAGAGGGACAG
GCTTCTCCGGAAGGAACAGATTTTAGCTGTGGCCAGGCAGGTAGAGTCAATGTGTCGGCTGCAGCAGCAG
GCATCTGGCCGGCCCCCATGGACCTGCAGCCGAATCCTCAGATGAGCAAGTCCCGCTGCACGAGGCC
CACGTGGGGCTTCCGCCTGGCAGCAGAGAACCCTTCCAGGAGCCACGGACGGTGGTGTGGCTGGGCGT
GCTCTCGTTAGGCTTTCCTGGTGTGGATGCCATGAGAACCTGCTACTGGCTGAGGGCAGCTCCGG
CTGCTGACACGCCTCCTCTTGACCACCTCCGGCTGTGGCGCCAGCACCAGCCTTCTGCTGCGGGCTG
ACCGCATTGAGGGCATCCTCACCCGCTTCTGCCACATGGTCCAGCTGCTTTCTCAACGACCAGTTGT
CCAAGGCTGGAGAAGGAATTCAGTGCCGCTTGGCCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208115 representing NM_018347
Red=Cloning site Green=Tags(s)

MVHAFLIHTLRAPNTEDTGLCRVLYSCVFGAEKSPDDPRPHGAERDRLLRKEQILAVARQVESMRLQQQ
ASGRPPMDLQPQSSDEQVPLHEAPRGAFRLAAENPFQEPRTVVWLVLSLGFALVLDAHENLLLAEGTLR
LLTRLLLDHLRLLAPSTSLLLRADRIEILTRFLPHGQLLFLNDQFVQGLEKEFSAAWPR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_018347

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_018347.3](#)

RefSeq Size: 1832 bp

RefSeq ORF: 603 bp

Locus ID: 55317

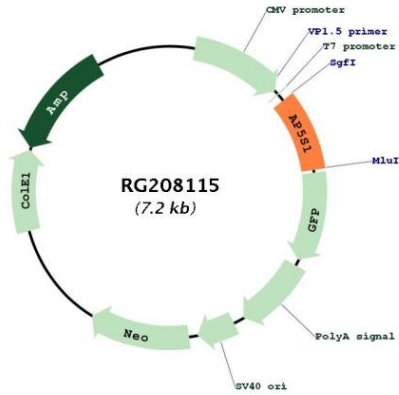
UniProt ID: [Q9NUS5](#)

Cytogenetics: 20p13

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 RG208115