

Product datasheet for **MR228473**

Ap5s1 (NM_001291031) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap5s1 (NM_001291031) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ap5s1
Synonyms: 0610038L13Rik; 2310035K24Rik; AW060727; sigma5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228473 representing NM_001291031
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCCACGCTTTCCTCATCCACTCTGAGGGCCCCGAATTTGGAAGATACAGGCCTTTCGCCAGTGC
 TCTATTCCTGTGCTTTGGTGCTGAGAAATCACCCGATGATCCACGGTCACATGGTGCAGAAAGGGACAG
 GCTCTTCCGCAAGGAACAGATTTTGGCAGTGGCCAGACAGGTGGAGTCACTGTGTAGGCTGCAGCAGCAA
 GCGGCTGGATGTTCTCCACAGACCTTCAGCCTCAGTTCTCAGCTGAACCTGTGTCCCTGCATGAGGCC
 CTCATGGAGCCTCCACCTGGCAGCCGGGACCCTTTCAGGAGCCTCGGACAGTGCTATGGCTGGGTAT
 ACTCTCCTTAGGTTTCGCCCTGGTGTGGACACCCATGAGAACCTGCTGCTGGCTGAGCGCACGCTCCGG
 CTCTTGGCTCGCTCCTCCTTGACCACCTCCGGTGCTGACACCAGGTACCAACTTCTTGTTCGGGCTG
 ACCGTATTGAGGGAATCCTCACCCGCTTCTGCCACATGGGCAGCTGCTTTCTCAATGACCAGTTTGT
 CCAGGATCTGGAGAAGGAATTCAGTGCTGCTTGGCCCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228473 representing NM_001291031
 Red=Cloning site Green=Tags(s)

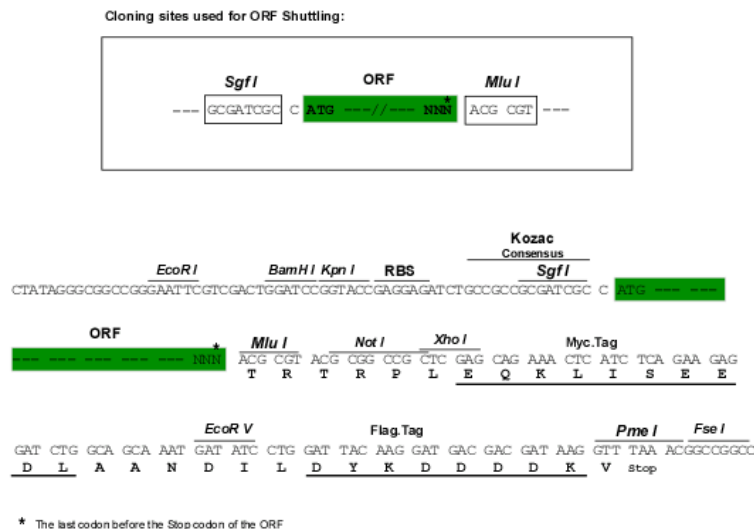
MVHAFLIHTLRAPNLEDGLCRVLYSCVFGAEKSPDDPRSHGAERDRLFRKEQILAVARQVESLCRLQQQ
 AAGCSSTDLQPQFSAEPVSLHEAPHGAFHLAAGDPFQEPRTVLWLGILSLGFALVLDTHENLLAERTLR
 LLARLLLDHLRLLTPTGNFLLRADRIEILTRFLPHGQLLFLNDQFVQDLEKEFSAAWPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291031

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

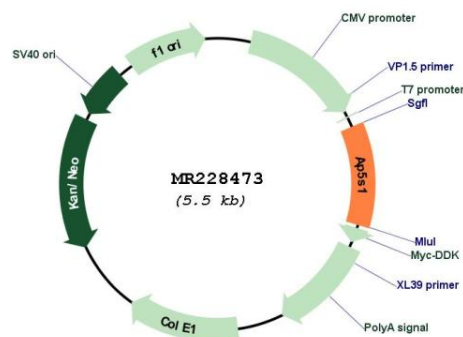
RefSeq: [NM_001291031.1](#), [NP_001277960.1](#)

RefSeq Size: 1617 bp

RefSeq ORF: 603 bp

Locus ID:	69596
Cytogenetics:	2 F1
MW:	23 kDa
Gene Summary:	As part of AP-5, a probable fifth adaptor protein complex it may be involved in endosomal transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228473