OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC214265

AP5B1 (NM_138368) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP5B1 (NM_138368) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AP5B1
Synonyms:	AP-5; PP1030
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC214265 representing NM_138368
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCCCCTGAGCCGGGACGCCTGGGCCCAGCGCTTGGGGGCCTTCCGGGCCAGCCCGTCTGCCTTCA
TGGCAGGTCCCGAGGGGGAGGATTTGGGTCGCGACCTGCTGAGCGACCTGAGAAGTGAGAAGCTGAGCGA
ACAGACCAAGGTTTCCCTGCTGGCCCTGAGCATGGAGTACCCTGCGCAGCTGTGGCCCGACGCCTCTGCG
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CTGCCGGCTCCTGCCCCTACTGCTCGGCCTGGCCGCGGGTAGCGATCTGGGGCGAGGCTTTGTCCCCGCC
TCGGAACAGCGCCCCTTGCAGGCCACGGCCTGCGAGTGCCTGCGAGAGCTAGAGAGCTGCAAGCCCGGGC
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GCCTTCAGCCCCAGGCACCCAGCTGGCCGGCAGCTGAGGAGGGAGAGGGGGAGCGTAGCCTTACAGCACG
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TGCGGGCAGGGGTGAGGGGCGGCCTGGTCGACTTGCTGCAGGTGCTGGCCAGGCAGCTGGAGGACCCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214265 representing NM_138368
Red=Cloning site Green=Tags(s)

MGPLSRDAWAQRLGAFRASPSAFMAGPEGEDLGRDLLSDLRSEKLSEQTKVSLLALSMEYPAQLWPDASA
AEVAATSLLDTLVLLPPRPSALRRPLLLAATTALAAGGALGPTSGASCRLLPLLLGLAAGSDLGRGFVPA
SEQRPLQATACECLRELESCKPGLLGGSLGLLRGLLGQEGPVQPLSLLLALALRNTLVLQSRVGAGLGGL
LTDKVSPTGGGPWDWTLVEEGDGRLQPQAPSWPAAEEGEGERSLTAREHSPEEARELRAAVIQLLDTSYL
LTPVAQAQLLWLLGWALRGLQGQPPALFKPQLVRLLGTAQLTLLHAMLALKAAFGEALFTAQDEALLLRR
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AQLYQARPMLAPHFVDLLDQVDSELREPLKVVLRQVVVSRPGRDEALCWHLQMLAKVADGDAQSATLNFL
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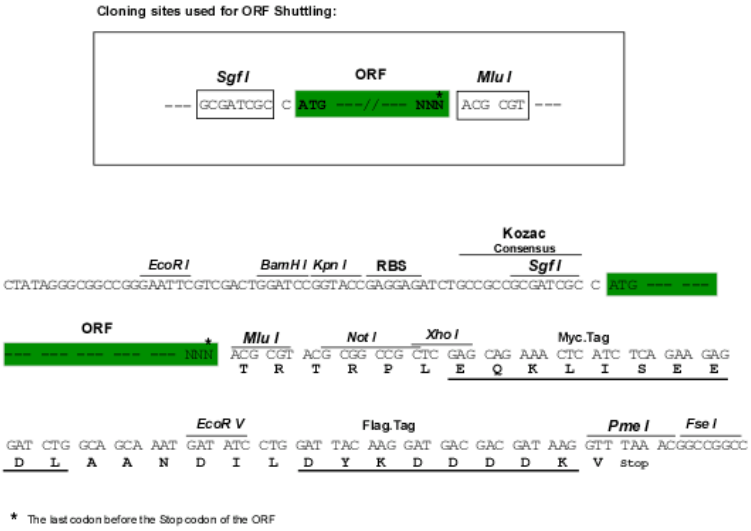
PQPPEGAGLGFFEELWDSCLPEGAESRVWCPLGPQGLEGLVSRHLEPFVVVAQPPTSYCVAIHLPPDSKL
LLRLEAALADGVPVALRTDDWAVLPLAGDYLRGLAAAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8119_h12.zip

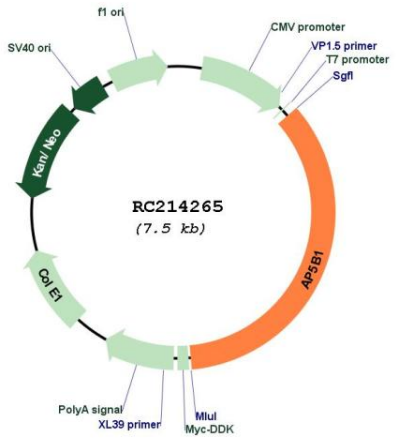
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_138368
ORF Size:	2634 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_138368.5
RefSeq Size:	6595 bp
RefSeq ORF:	2637 bp
Locus ID:	91056
UniProt ID:	Q2VPB7
Cytogenetics:	11q13.1
MW:	94.4 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 RC214265