

Product datasheet for **RN217290**

Ap5b1 (NM_001271032) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap5b1 (NM_001271032) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ap5b1
Synonyms:	Beta5; RGD1562657
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217290 representing NM_001271032
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTCCCTGAGTCGAGAAGCCTGGGCCAGCGCTGGGGTCTTCCGAGCCAGCCATCCGCCCTTC
 TAGCAGGTGCTGAAGGTGAGGATTTGGGTCACGACCTGTTGAGTGACCTAAGGAGTGAAAAGCTAAGCGA
 GCTGATCAAGGTTTCCTTACTGACACTGAGCTTGAGTACTCTGACAACTTTGGCCTGATGCCCTTGCC
 GCGGAGGCTGCTGCCACTTCTTGTGGACAGCTTGTCTCTTGCCCTCAAACCTTCAGCTCTCCGGA
 GGCTCCTGTTGTTAGCAGCCACTACAGCCCTGGTGTGAGGTGGTCTCTCGGACCCACTTCGGAAGCTTC
 CAGCCGGCTCCTGCCCTTACTTCTGGCTTAGCTTCTGGCCAAGACATGGGACGAAGCTTTGGAACCACC
 TCAGAGCAGCGCCATCTACAGGCCACAGCGTGTGAATGCCTTGAGAACTTGAGCGCTGTAACCTGGGT
 TGCTGGCCGGCGCTCTGGGGTGTGCGGAGCCTCCTAGGGCAAAGGGTCCCATCCAGCCTGTCAGCCT
 GCTTCTCGCCCTTGTTCGCATAACACCTTGGTGGTACAGTCCAGTTTGGGGCTGGCCTGCAAGGCCTG
 CTTGTGGCTAAGGACTCCTCCCTGGGAGTTGTCCTGGGACTGGACACTGGCTGAAGAATGGGATGACC
 ATCTTAAGCCCCAGGCGCACGGCTGGCCACAGCTGGGGAGGAGGAACGTGACTTCCAATTCTGGATCC
 CAACCCTGAGGACACTCGAGAGCTGAAGGCTGCGGTGGCCAGCTTCTGGACACTTCTATCTGCTCACT
 CCCGTGGCTCAGGCCAACTTGTGTGGCTGTTGGGCTGGGCCCTCAGGGTCTTCGGGGACAGCCACCAG
 TGCTTTTCAAGCCACAGCTAGTTCGGCTGCTGGGCACAGCACAGCTTACACTGTTACACTCAGTTCTATC
 TCTCAAGCAGCCTTCGGTGAGGCCCTGTTCACTGCTCAGGATGAAGCGCTCCTGCTCCGTAGGCTTACC
 CTGGTGGCCAGCACCCAGCCTTACCCTCGCCACACACCTCTTTTACCTGCAGTGCATCGCTGAGCTTCC
 CTGAGAATTGCCATTAGTCCAGAAGGGGAAGGCTGCCCACTGCTGTTGGGGCCCCAGTTACGCCG
 GGGCCTCATGCCAGTCTCCTTCATGACCAATGGTCTCCTGGCCCGCCTGCATTTGCTATGCCTGCTT
 TGTGCTGATGATGAGGAAGAGGAGAAAGGCCAGCTTCAGGGCCACAGTGGTTCCTGCAGGAGCTGCTGG
 CCGGTCTTCAGCAGAGGGCAGCCGTGGATGGCGTCCCGAGCCTTGGCCACTCTCTGTTCCAGGCCTC
 ATACCTCGTTACCAGCTGCCTGACCAGACAGCCACAGTCCAGACATCTCTGGTCCATGGGCTGGCCAA
 CTGTACCAGCCGACCTTCCCTGGCTCCCACTTTGTGGACCTTCTAGATGAGGTAAGCCCTGAGCTGA
 GAGAGCCCTCAGGAAGGTGCTGCTACGAGAGGTGGTAGCCAGGCCAGGCAAGAACAAGCACTTCGCTG
 GCACCTGCAGATGCTGGCAAAGGTGGCAGAGGGAGCCACTCAGAGTCCATCCTTGGCTTCTACAGGCT
 GCAGCCATACACTGCACCGACTGGGGCTACACCAGGCCCTACTGCGGGTGTGCCGTGCTGCTCCGGA
 CGGGTGGGGGAGAGGGGCTGGCAGACCTGTTGCAGGAAGTGGCCAGACAGCTGGAGAACGCTGATGGGCG
 GGACCATGCCCGACTGTACTATGTCTCTTGTCCCATCTGTCAAGTTCTAAGTTGGGGATGGCACTGGGC
 CCCTCACTGGCTGCCCTGCGCTGGCCTCGTCACTGATGGCTGAGAACCAGGGCTTCGCATCAGCACTGA
 TGGTGCAGGAGACCTCAGCTCCAATTCAGTTGAGTGTGGGGCCTCAGAAGGCCAAAGGCCACTCCCGGT
 GCTGCATCTGCAGGTGCAGGCACTGGATACTCTGTGACTCTCTGGAGCTGCGCTTTCGTGTAGAAGGA
 CAACTGTACGAGCCTGTGGAGGCTGTCCACATACCCTCTGTGCGTCCAGGACAACCTGCCATCCTCTGC
 ACCTGCCCTTGCAGCCCCGTAGCCAGCCCCCGCCCGCTGCATGTCCGGGCCCTTACACCACACCCGC
 CGGCCACAGTGCCATGCCACCTACCACCCCTGTCTGTGAACCTTGTGACCTTCTCCTGCCTTCCCC
 CAGCTCCCAAGGGCTCTGAGTTGTGTTCTTTGATGAGCTCTGGAACCTCCTGCCTGCCAAAGGGTGTAG
 AAAGTCGTGTGGTGTCCACTTGGGCCACAGGGCCTGGAGGCCTTGGTGTCCCAACACCTAGAGCCCTT
 TGTGCTGGTGGCGCAGCCCCCTACCACCTACCTCATAGCTGTCCGCTTGCCTCCTCACTCCATGCTGCTG
 CTGCGCCTGGAGAAAGCTCAGGTGCACGGTGTGCCTGTGGCCCTCAGGACTGATGACTGGGCTGTGCTGC
 CCCTGGTGGGGACTACCTCCGAGGGCTTGACGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271032

Insert Size:	2631 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001271032.1</u> , <u>NP_001257961.1</u>
RefSeq Size:	3551 bp
RefSeq ORF:	2631 bp
Locus ID:	361709
UniProt ID:	<u>D3ZVB0</u>
Cytogenetics:	1q43
Gene Summary:	As part of AP-5, a probable fifth adaptor protein complex, it may be involved in endosomal transport.[UniProtKB/Swiss-Prot Function]