

## Product datasheet for **RN217223**

### Ap5z1 (NM\_001037220) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap5z1 (NM_001037220) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ap5z1
Synonyms:	Kiaa0415
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN217223 representing NM\_001037220  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTCTCGGCGGGCGCGGAGAGTCTGCTGCACCAGGCCAGGAGATCCAGGATGAGGAGTTGCAGCGCT  
 TCTGCTCCAGGGTCACTAAGCTGCTGCAGGAAGCCCCAGGGCCGCCACTGTGGATGCCCTACAGAGACT  
 TTCTCTCATAGTCTCATCCACCAAGTATCCCCGGAGGCTGGAGAAAGCGTGTGTGGACCTGTTGCAGACC  
 ACTCTCTGCTTGGCCACAAGCCCTGAGCAGCTGCAGGTCCTTTGTGCTGTATCTTGAGAGAGATGTCGC  
 CTTTTAATGACCTGACCCTGTCTGTGATCACACCCAAAACACCCCGCAGCTTAGCCTTGTGGCCTCTGT  
 GCTCTTGGCCAGGGAGACAGGAACGGAGAAATCAGACAAGTGAAGCAACGCATCTTCAAGATCTGGAG  
 AACCGGCAGCCTGAGGGGCCAGTGTGAGGCCCTCTCCCGTCTGTCCAAGGTCATTGGCCTTGCCC  
 CAGGCATCTCGTGAAGACCAGACCACTGCTCAGCAAAGGCTGGTAGACTGGCTCCGCTACGCCAG  
 CATCCAGCAAGGGCTTCCGTATTCAGGGGGCTTCTTTTCTACGCCAGGACCCGGCAGCCAGGTCCTCATC  
 ACCGAGGTGGATGGAGCAGTGGCTTCTGACTTCTTACGGTACTCTCCACGGGCCAGCACTTCCACAGAGG  
 ACCAGTGGGTGAACATGCAGGCCTTCTCCATGCTGAGGAAATGGTTGCTGCACAGCGGCCCGAGGACCC  
 TGGCAGCCAGATGCAGATGACAAGTGCAGAGCTGGAGGGCTCTATGCTGTCTGTGCTCTCCGCGGCCCTC  
 ACTGCGAGCCGACTGCTGCCCTCGGGAGCGGCTGAGGGAGGTGGCCTTTGAATACTGCCAGCGCCTGT  
 TGGAGCAGAGTAACCGGAGAGCGCTGAGGAAGGGGACTCGGACCTACAGAAAGCCTGCCTGGTGAAGC  
 TGTGTTGGTGCTAGATGTGCTGTGCCGGCAGGACCCCTCTTCTTTATCGTACCCTCTCCTGCCTGAAG  
 CCACTGCACAGGAGGCTGGCGAAGACCCTGGCAGCGAGCGGGCTCTGGTGCCTTTGCCAGTTCTCCCTC  
 TGAACACGGGGAGGGCGGCCCATGGATGCAGAAGCCATCTACGCACAGCTGCTAGGCAGTCTCCCTTC  
 TGAGCGCTTCCACAGCCGACTCTGGCCTTCGAGGTCATACACTTCTGCACGCACAACTGGCTCTGTTC  
 GACCCCACTTTCTCAGCCTTCTCCGGTGTGAGCTTCCAAATCTATTCAAGTTCTCGCTTGAACAGCC  
 CTCCGCTCACAGCCGAGTTTGTGGTACTCTCCCTGCTCTCGTGGATGCTGGAAGTGTGTGGAGATGTT  
 GCATGCCCTGCTTACCTGCCCTGTCTGACTGCTGCCCTGGACCTACAGCTCAGGTCCACACAGACCCCG  
 TCGGAAAGGCCGCTTGGGATGTCTCCCTCAGGGTCCCTAGCTGCCTGGAGGCCTTCCAGGACCCACAGT  
 TCCAAGGACTCTCCGGCACCTGCTTCGCACCAAGGCCAGCGGCTCCACCGAGAGACTGACGCCACTTCA  
 TCAGGTGTGAAGCCATGGCCAGCTGTGCCGGGTAGCCAGTGTGTGGAGGCAATTCCTGTCTTGCTC  
 CANGCTTTCTTCTCAGCTGTGACCCAGACTGCCGACGGGCCCTCATCAACCAGCTGGCACTGCTGCTCC  
 TGGAGAGAAGTACTCCCTTACCAGTCCCTCAGTATGAGGCCCGTGTGCACAGGGTGTGAGCTCCCA  
 GCTCCTGGTGTGTGAAGCTGAAACATCACTGGTGGTGAAGTGTCCCGAGAGCTTCTGGAGTTCGTG  
 GGGAGCGTGAGCAGCATCCGAGCCGAGCCAGCATGTTCACTGTGTGGTGTGGGCCATTGGTGAGTATC  
 TGTGCGGTGACCTGCGACAAGAGGTGCACAGCAGAGCAGATCAACAAGTCTTTGAAGCCCTGGAAGCCCT  
 GCTGTTTGAAGTACCCAGTCCCGCCCTCAGCCGACTTGCCTGCTGTCCCGAGAGCTGGTCACTGCA  
 CTCATGACCACATTGACCAAGCTAGCCTCCCGGAGCCAAGACCTGATCCCAAGGGTGTCACTGTTCTGT  
 CAAAAATGCGGACCCTGGCCAGAACCAGCCACCAGCTCTATGCACAGTGAAGGAGGATACAGAATCCAT  
 CCGGATCCGGGCTACAGAGCTGCTAACCCCTACTGAAGATGCCAGTGTGGCCAGTTTGTGTTACACCC  
 ACCGTGGGCGTGTGCCAGCCCGCTACCACCAAGACACCAACGTGGCCCTGCCTCTGGCTCTGCGTACGG  
 TCAGCCGACTGGTGGAGAAGGAGGCTGGCCTTGTCCAGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001037220  
**Insert Size:** 2424 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001037220.4, NP_001032297.4</u>
<b>RefSeq Size:</b>	3691 bp
<b>RefSeq ORF:</b>	2424 bp
<b>Locus ID:</b>	641386
<b>Cytogenetics:</b>	12q11