

## Product datasheet for **RR201157**

### Amt (NM\_001014004) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Amt (NM\_001014004) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Amt  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR201157 representing NM\_001014004  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCGGACAGTCAGGGTGGTAGCCCTCTGGGTTTTCGCCTTCAGGCACAACCCTTGGTCCAGAGTC  
 GTCCATTCACTTCTGTACAGGATGGACTCCGACGACTCCACTCTATGACTTCCACCTAGCCCATGGAGG  
 GAAAATGGTGGCGTTTGCAGGGTGGAGTCTGCCTGTGCAATACCGGGACAGTCATGTTGATTACACCTG  
 CACACACGCCGCTCACTGCTCTCTTTGATGTGTCCCACATGCTACAGACCAAGATATTTGGCTGTGACC  
 GAGTGAGGCTGATGGAGAATATAGTGGTTGGAGACATTGCGGAACTAAGGCCAACCAGGGAACGCTGTC  
 TCTGTTTACTAATGAAGCTGGAGGCATCCTAGACGACTTGATTGTGACCAATACTTCTGAGGGGCACCTG  
 TATGTAGTATCCAATGCTGGCTGCCGGGACAAGGACTTGGCTCTCATGCAGGACAAGGTCAAGGAGTTCC  
 AGAACAGGGGCCTTGATGTAGGCTGGAGGTGGTAGATAATGCCCTGTTAGCTCTGCAAGGACCCACTGC  
 AGCACAGGTCTTACAGGCTGGGGTGACAGATGATATGAGGAACTGCCCTTCATGACCAGTGCTGTGATG  
 GAGGTGTTCCGGTGTCTGGCTGTCGTGTGACCCGCTGTGGCTACACAGGAGAGGATGGTGTGAGATAT  
 CAGTGCCAGCGGCAGGAGCAGTCCACTTGGCCACTGCTCTGCTGAAAAACCCAGAGGTAAGCTGGCAGG  
 ACTAGCAGCCCGAGATAGCCTGCGCCTGGAGGCTGGCCTCTGTCTGTATGGGAATGACATCGATGAACAT  
 ACCACACCTGTGGAGGGCAGCCTCAGCTGGACTTGGAAAGCGCCGCCGAGTTGCTATGGACTTCCCAG  
 GAGCCAAAATCATCATCCCCAGCTGAAGGGTGGAGTGCAGAGGCGACGTGTGGGGTTGATATGCGAAGG  
 GGCTCCAATGAGAGCACACAGTCTATTTTGAACAGAAAGGCGCAGTGATTGGTACAGTGACCAGTGGC  
 TGCCCTTACCCAGCCTGAAGAAGAAATGTGGCGATGGGTTATGTGGCCTTCAAGTACAGTCGGCCAGGGA  
 CACAGTCTGCTGGTGAAGTTCGGCGGAAGCAGCAAATGACGGTGGTTAGCAAAATGCCCTTGTGCCAC  
 GAAGTACTATACTCTCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201157 representing NM\_001014004  
 Red=Cloning site Green=Tags(s)

MQRTVRRVAPLGFRLQAQPLVQSRPFSSVQDGLRRTPLYDFHLAHGGKMVAFAGWSLPVQYRDSHVDSHL  
 HTRRHCSLFDVSHMLQTKIFGCDRVRLMENIVVDIAELRPNQGTLSLFTNEAGGILDDLIVTNTSEGLH  
 YVVSNAGCRDKDLALMQDKVKEFQNRGLDVGLEVVDNALLALQGPTAAQVLQAGVTDMMRKLPFMTSAVM  
 EVFVSGCRVTRCGYTGEDGVEISVPAAGAVHLATALLKNPEVKLAGLAARDSLRLEAGLCLYGNDIDEH  
 TTPVEGSLSWTLGKRRRVAMDFPGAIIIPQLKGEVQRRRVGLICEGAPMRAHSPILNTEGAVIGTVTSG  
 CPSPSLKKNVAMGYVAFKYSRPGTQLLVEVRRKQQMTVVSKMPFVPTKYITLK

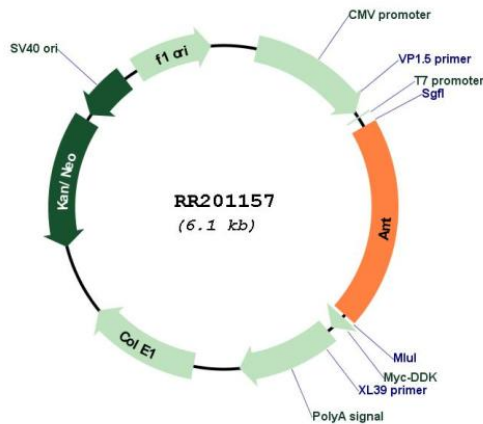
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001014004

<b>ORF Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001014004.1</a> , <a href="#">NP_001014026.1</a>
<b>RefSeq Size:</b>	2177 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	306586
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	44.1 kDa