

## Product datasheet for RR213200

### Ambp (NM\_012901) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ambp (NM_012901) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ambp
Synonyms:	UTI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213200 representing NM_012901 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGGGTCTCGGGCCCTGTTCTTGTGCTGACTGCCTGCCTCACTTTGAAGGCTGACAATGTGCCAA  
CACTGCCAGATATCCAGTTCCAGGAACTTCAATGAGGCCGGATCTATGGAAAATGGTTCAACCTGGC  
GGTGGGCTCCACCTGCCGTGGCTGAGGCGGATTAAGAACAAGATGAGCGTGAGCACACTGGTGCTGCAG  
GAGGGGGCGACAGAAGCCGAGATCAGCGTGACCAGTACTCAATGGCGGAAAGGTGTCTGCGAGGAGATCT  
CCGGGGTGTATCAGAAGACAGACATTGACGGAAGTTCCTTTACCACAAATCCAATGGAATGCAACCTT  
GGAATCTTATGTGGTCCACCAACTATGACGAATATGCCATTTCTTACCAAGAAGTTCAGCCACCGC  
CACGGACCCACCATCACTGCCAAGCTCTATGGCCGGGAACCACAGCTGAGGGACAGCCTTCTGCAGGAGT  
TCAGGGAGGTGGCCCTGAGTGTGGGCATCCCTGAGAACTCCATTGTTTTATGGCCGACAGAGGAGAATG  
TGTCCCTGGGGATCGGGAGGTAGAGTCCACTTCATTTGCAAGAGCCCGGGCAGTGTGCCCAAGAG  
AATGAAGGGTCAAGGAGTGAGCCACTCATACTGGGACCCTCAAGAAAGAAGACTCCTGCCAGCTGAAC  
ACTCAGAAGGTCCCTGCCTGGGATGCAGCAGAAGTATTACTACAATGGCGCCTCCATGGCCTGCGAGAC  
CTTCCAGTATGGCGGCTGCCTAGGCAATGGTAACAACCTTCGCCTCCGAGAAGGAATGCCTGCAGACGTGC  
CGGACCATAGCGCCTGCAATCTCCCCATAGTCCAAGGCCCTGCCGAGCCTTTCAGAACTCTGGGCAT  
TTGATGCAGCGCAAGGGAAGTGATCCTCATCTATGGGGGCTGCAAAGGCAACGGCAACAAGTTCTA  
CTCTGAGAAGGAGTGCAAGGAGTACTGTGGAGTCCCTGGTATGGGTACGAGGAGCTAACACGCAGT

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR213200 representing NM\_012901  
 Red=Cloning site Green=Tags(s)

MQGLGALFLLLTACLTLKADNVPTLPDIQVQENFNEARIYGKWFNLAVGSTCPWLRRIKNKMSVSTLVLQ  
 EGATEAEISVTSTQWRKGVCEEISGVYQKTDIDGKFLYHKSKNWATLESYVVHTNYDEYAIFLTKKF<sup>SHR</sup>  
 HGPTITAKLYGREPQLRDSLLQEFREVALSVGIPENSIVFMADRGECVPGDREVSTSFARARRAVLPQE  
 NEGSGSEPLITGLKKEDSCQLNLYSEGPC<sup>LMQ</sup>QKYYYNGASMACETFQYGGCLGNGNNFASEKECLQTC  
 RTIAACNLPIVQGPCRAFAELWAFDAAQKCIQFIYGGCKGNGNKFYSEKECKEYCGVPGDGYEELTRS

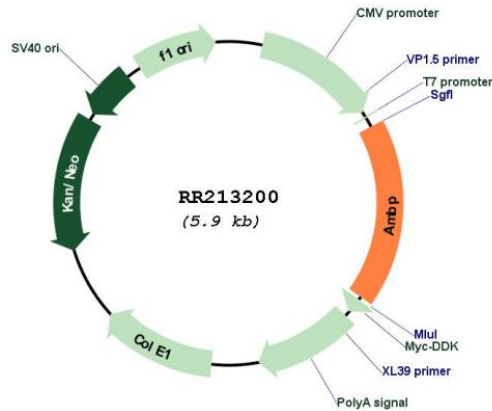
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012901

**ORF Size:** 1047 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_012901.1</a> , <a href="#">NP_037033.1</a>
<b>RefSeq Size:</b>	1162 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	25377
<b>UniProt ID:</b>	<a href="#">Q64240</a>
<b>Cytogenetics:</b>	5q24
<b>MW:</b>	38.9 kDa
<b>Gene Summary:</b>	may play a role in regulation of immune response [RGD, Feb 2006]