

## Product datasheet for **RR209347**

### Naaa (NM\_001010967) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Naaa (NM\_001010967) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Naaa  
**Synonyms:** Asahl  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209347 representing NM\_001010967  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGACCCAGCCATCCGGGCCGCTGCCATGGGGCACACCTGGCGCTGGCTCTGTTGCTGCTGCTGT  
CGCTGTCGGATCCCTGGCTGTGGGGCAGCCGCCCTGGCACTCCGCCTCTTTCAACGTCACTGAGACG  
GGCCCCGAGCTGCGCTGGCTGCCGATGCTGCAGCACTACGACCCAGACTTCGTGCGCGCCGCGGTGGC  
CAGGTTATTGGAGACAGGTTCCCCAGTGGATACTAGAGATGATCGGAGAAATCGTGCAGAAGGTGGAGA  
GCTTCCTGCCTCAGCCCTTCACCTCCGAGATCCGCGGCATATGTGACTACCTCAACCTCAGCCTGGCAGA  
GGGTGTCTTGGTCAACTTGGCCTATGAGGCTTCCGCATTCTGCACCAGTATTGTGGCCAAAGACTCCCAA  
GGCCGTATTTACCATGGCCGGAACCTGGACTATCCTTTTGGAAATGCCTTACGAAAGCTGACAGCAGACG  
TGCAGTTTGTAAAGAACGGGCAGATTGTATTCACAGCGACCCTTTTGTGGCTATGTAGGACTGTGGAC  
AGGTCAAAGTCCCACAAGTTTACAATTTCTGGTGATGAACGAGACAAAGGCTGGTGGTGGGAGAACATG  
ATTGCTGCGCTTTCCTTGGGACTCGCCCATCAGCTGGCTTATCCGCAAACCTGACTGAGTCCGAAG  
ACTTCGAAGCGGCCGTTTACACGCTGGCCAAGACTCCCCTATTGCTGATGTGATTACATCGTTGGGGG  
TACATCGCCCCAGGAGGAGTAGTCATCACCAGGACAGAGGTGGCCCGCGGACATTTGCCTCTTGAC  
CCTCTGAATGGAGCGTGGTCCGAGTCCGAGACCAATTATGACCACTGGGAGCCTGTGCCAAAGGGATG  
ACCGAAGGACACCAGCCATCAAAGCCCTAAATGCCACAGGGCAAGCTCACCTCAGTCTGGAGACCCTCTT  
CCAGGTTTTATCCGTGTTTCTGTTTATAACAACACTACACAATTTATACCACAGTATGAGCGCTGCTGAG  
CCCGACAAGTACATGACCATGATCAGAAACCAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209347 representing NM\_001010967  
 Red=Cloning site Green=Tags(s)

MGTPAIRAACHGAHLALALLLLSLSDPWLWATAPGTPPLFNVSLDAAPELRWLPMLQHYDPDFVRAAVA  
 QVIGDRVPQWILEMIGEIVQKVESFLPQPFTSEIRGICDYLNLSLAEGLVNLAYEASAFCTSIVAQDSQ  
 GRIYHGRNLDYFPGNALRKLTAADVQFVKNQIVFTATTFFVGYVGLWTGQSPHKFTISGDERDKGWWWENM  
 IAALSLGHSPISWLIRKTLTESEDFEAAVYTLAKTPLIADVYIVGGTSPQEGVITRDRGGPADIWPLD  
 PLNGAWFRVETNYDHWEPVPKRDRRTPAIKALNATGQAHLSLETLFQVLSVFPVYNNYIYTTVMSAAE  
 PDKYMTMIRNPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

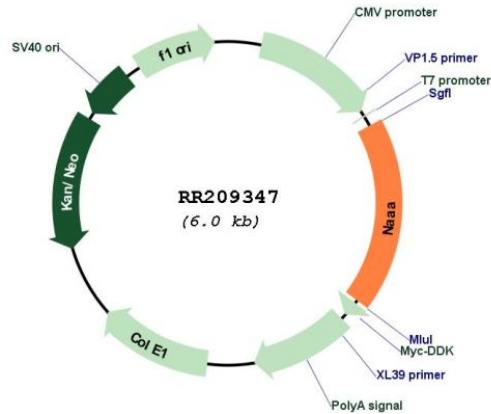
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_001010967

<b>ORF Size:</b>	1086 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_001010967.2</a> , <a href="#">NP_001010967.1</a>
<b>RefSeq Size:</b>	1830 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	497009
<b>UniProt ID:</b>	<a href="#">Q5KTC7</a>
<b>Cytogenetics:</b>	14p22
<b>MW:</b>	40.3 kDa
<b>Gene Summary:</b>	Degrades bioactive fatty acid amides to their corresponding acids, with the following preference: N-palmitoylethanolamine > N-myristoylethanolamine > N-stearoylethanolamine > N-oleoylethanolamine > N-linoleoylethanolamine > N-arachidonoylethanolamine. [UniProtKB/Swiss-Prot Function]