

## Product datasheet for **RR209563**

### **Haa0 (NM\_020076) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Haa0 (NM_020076) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Haa0
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209563 representing NM_020076 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCGCTGTGTGAGAGTGAAGTCTTGGGTAGAAGAGAATCGGGCTCCTTTTCAGCCTCCGGTTTGCA  
ACAAGCTTATGCACCGGGAGCAGCTCAAATCATGTTTCGTCGGAGGCCCAACACCAGGAAGGATTATCA  
CATTGAAGAGGGAGAGGAGGTGTTTTACCAGCTGGAGGGAGACATGGTGCTCCGAGTCTCGAGCAAGGA  
GAACACCGGGATGTGTTATACGACAGGGAGAGATATTCCTCCTGCCTGCCAGGGTGCCCACTCCCGC  
AGAGGTTTGCCAAACACCATGGGCCTGGTATTGAGAGAAGGCGAATGGAGACCGAGCTGGATGGGCTGAG  
GTAATATGTGGGCGACTGAGGATGTCCTCTTCGAGAAATGGTCCACTGTAAGGACCTTGGGACGAG  
TTAGCCCCATCATCCAAGATTCTTCCACTCTGAGCAGTACCGAACAGGAAAGCCCAACCTGACCAAC  
TGCTCAAGGAGCCGCCATTCCCCTGAGTACACGGTCCGTAATGGAGCCCATGCTACTGAAGGCCTGGCT  
GGAGAGCCACTCCAGGGAGCTTCAGGCAGGCACATCCCTAAGCCTGTTTGGGGACAGCTATGAGACTCAG  
GTCATCGCCACGACAAGGCAGCAGCAAAGGCCGAGACAGGATGTAGATGTGTGGCTGTGGCAACTGG  
AGGGCTCCTTAAGGTGACAATGGGAGGACAGTGTGTGGCCCTGGCCCCAGATGACAGCCTGCTGGTGCC  
CGCTGGGTTCTCGTACATGTGGGAGCGAGCGCAAGGCTCTGTGGCCTTGCTGTGACACAAGACCCTGCC  
TGTAAGAAGCCACTGGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR209563 representing NM\_020076  
 Red=Cloning site Green=Tags(s)

MERCVRVKSWEENRASFPVPCNKLHREQLKIMFVGGPNTRKDYHIEEGEEVFYQLEGDMVLRVLEQG  
 EHRDVVIRQGEIFLLPARVPHSPQRFANTMGLVIERRRMETELDGLRYYVGDTEVDLFEKWFHCKDLGTQ  
 LAPIIQEFFFHSEQYRTGKPNPDQLLKEPPFPLSTRSVMPEPMSLKAWLESHSRELQAGTSLSLFGDSYETQ  
 VIAHGQGSKGRQDQVDVWLWQLEGSSKVTMGGQCVALAPDSSLVPAAGFSYMWERAQGSVALSVTQDPA  
 CKKPLG

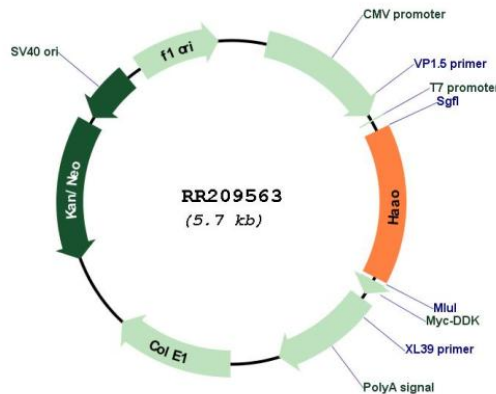
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_020076

<b>ORF Size:</b>	858 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_020076.2</a> , <a href="#">NP_064461.1</a>
<b>RefSeq Size:</b>	1252 bp
<b>RefSeq ORF:</b>	861 bp
<b>Locus ID:</b>	56823
<b>UniProt ID:</b>	<a href="#">P46953</a>
<b>Cytogenetics:</b>	6q12
<b>MW:</b>	32.6 kDa
<b>Gene Summary:</b>	enzyme responsible for the synthesis of quinolinic acid [RGD, Feb 2006]