

Product datasheet for RR201216

Aurka (NM_153296) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aurka (NM_153296) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aurka
Synonyms:	ARK-1; Stk6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201216 representing NM_153296 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGGACAGATGTAAGAAAACCTGTGTCTCTAGGCCTGTCAAGTCCACTGTTCCCTTCGGTCCGAAACGAG
TCTTGGTGACTGAGCAGATTCCTTCTCAGCACCCAGGATCAGCGAGCAGTGGCCAGGCCAGCGGGTCT
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TGCTCAAATGGGGAGTTGAAGATCGCAGACTTTGGGTGGTCTGTGCATGCTCCGTCTTCCAGGAGAACC
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T

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR201216 representing NM_153296
 Red=Cloning site Green=Tags(s)

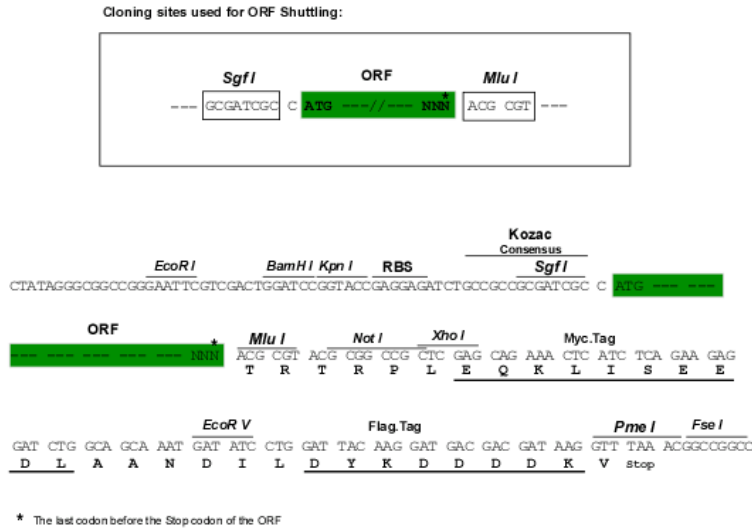
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 VYRELQKLSKFDEQRTATYITELANALSYCHSKRVIHRDIKPENLLLGSNGELKIADFGWSVHAPSSRRT
 TLCGTLDYLPPEMIEGRMHDEKVDLWSLGVLCYEFLVGMPPFEAHTYQETYRRISRVEFTFPDFVTEGAR
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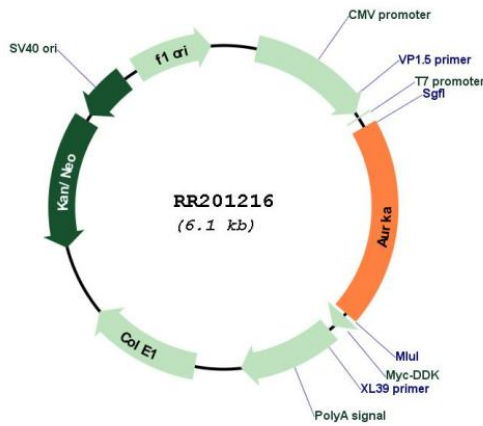
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_153296

ORF Size:	1191 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_153296.2 , NP_695208.2
RefSeq Size:	2384 bp
RefSeq ORF:	1194 bp
Locus ID:	261730
Cytogenetics:	3q42
MW:	44.9 kDa
Gene Summary:	serine/threonine protein kinase which is regulated by the cell cycle; may be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation [RGD, Feb 2006]