

Product datasheet for **RR215671**

Ago4 (NM_001106686) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ago4 (NM_001106686) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ago4 |
| Synonyms: | Eif2c4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RR215671 representing NM_001106686
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACGAAAATATCGAGTTTGAATGTGACAAGACGACCAGCCAGTCATCAAACCTTCCCTTTGCAGC
 TAGAAAATGGTCAAGCTATGGAATGTACAGTAGCTCAGTATTTTAAGCAAAAATATAATCTGCAGCTGAA
 AACTCCCATCTTCCCTGCCTTCAAGTGGGACAAGAGCAAAAGCATACATACCTGCCACTTGAGGTCTGT
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 CAGCGAGATCTGCTCCTGACAGACAGGAGGAAATCAGTAGACTGGTGAAGAGCAACAGCGTGTGGGTGG
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 TGCGGAGGTGAAGCGTGTGGAGATACCTCCTAGGTATGGCCACGCAGTGTGTCCAGGTCAAAAATGTT
 GTGAAGACCTCGCCACAAAACCTTTCCAACCTTGTCTGAAGATAAACGCAAAGCTTGGAGGAATTAACA
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 TCCTGCCCTGCATATTATGCCCGCTTGTAGCATTCCGGGCAAGGTATCATTGGTGGACAAAGATCAT
 GACAGTCCGGAAGGCAGTCACGTGTGAGACAGAGCAACGGCCGGGATCCTCAAGCCTTGCTAAGCGCG
 TGCAGATCCACCATGATACCCAGCACACTATGTATTTTGC

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

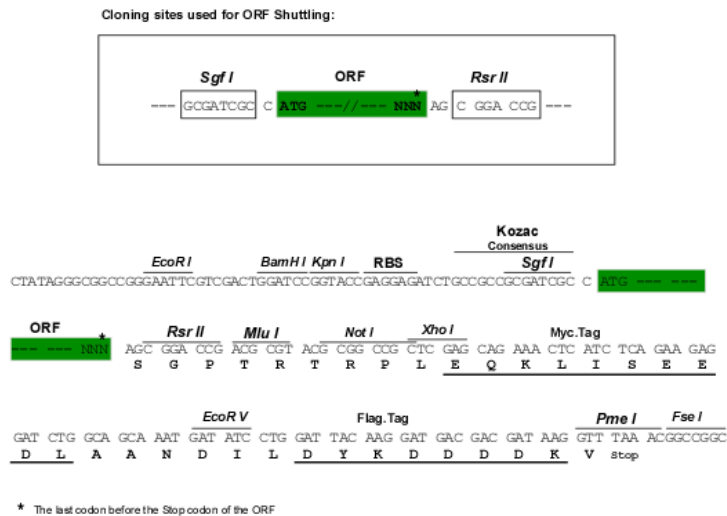
>RR215671 representing NM_001106686
 Red=Cloning site Green=Tags(s)

MKRKYRVCNVTRRPASHQTFPLQLENGQAMECTVAQYFKQKYNLQLKYSHLPCLQVQEQKHTYLPLEVC
 NIVAGQRCIKKLDNQTSTMIKATARSAPDRQEEISRLVKSNSVLGGPDPYLKEFGIVVHNEMTELMGRV
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 SRYCATVRVQTSRQEI AQELLSQEVVQDLTSMARELLIQFYKSTRFKPTRIIYYRGGVSEGMKQVAVP
 ELIAIRKACISLEEDYRPGITYIVVQKRHHTRLFCADKTERVKGSGNVPAGTTVDSTITHPSEDFYLCSS
 HAGIQGTSRPSHYQVLWDDNCFADQLLTYQLCHTYVRCRTRSVSIPAPAYYARLVAFRARYHLVDKDH
 DSAEGSHVSGQSNRDPQALAKAVQIHHTDQHTMYFA

SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001106686

ORF Size: 1791 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:**
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_001106686.1](#), [NP_001100156.1](#)

RefSeq Size: 3737 bp

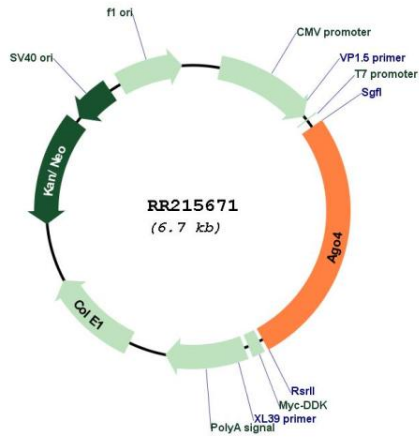
RefSeq ORF: 1794 bp

Locus ID: 298533

Cytogenetics: 5q36

MW: 67 kDa

Product images:



Circular map for RR215671