

## Product datasheet for **RR203890**

### Ajuba (NM\_053503) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ajuba (NM_053503) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ajuba
Synonyms:	Jub
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203890 representing NM\_053503  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGCGGTTAGGGGAGAAAGCCAGTCGTCTGCTAGAAAAGTTGAGACTTTCGGACTCCGGCAGCGCCA  
 AGTTCCGGCCGAGAAAGGGCGAAGCGAGCCGGTCTGGGTCTGATGGGACCCCGGAGCAGCAAGGGACG  
 CCTGAGTGGGCTAGGGGGACCTAGGAAATCAGGACACCGAGGAGCGAATGGGGGGCTGGGGATGAAGCT  
 TTGAACCGGCCAGGGAGCAAGGGCCCTGGACGCCGAGCGAACGCACGCGGCTCCTTTGAAGCGCAGC  
 GCTTCGAAGGGTCTTTCCCGGGGGCCGCCGCCACTCGAGCCTTGCTCTGCCCTGTCGTCGCTCC  
 TGATTTTCGGTTGGAGACCAGGCTCCAGCCCTTAGCCCTCGCTCCAGCTTCGCCAGTAGCTCGGCCAGC  
 GATGCGAGCAAGCCATCCAGCCCCGGGGCAGCCTGCTGCTGGACGGAGCGGGGCCAGCGGAGCCGGTG  
 GTAGCCGCCCGTGCAGCAATCGGACCAGCGGCATCAGCATGGGCTACGACCAGCGCCACGGGAGCCCGCT  
 GCCTGCGGGGCCGTGCCTATTTGGCCTCCCTGACCCTGCTCCTTCGGGCTACTCCTCCGGAGGGTT  
 CCATCCGCCTATCCGGAATCCAGCTGCCCTCGACCGACTATGCGCTCATCGGCCGGTGGGTTTCGGCT  
 GCCAGGAGAGCCGTCCTTACCCCCGGCCCTGGGCAGCCCCGGAGCTCTAACCGGAGCCGTGGTGGG  
 AACAGCGGGTCTTTGGAGAGACGTGGGACGCAACCCGGACGTCCTCGTTACGGGCTACGGGGACTGC  
 GCCGCGGGAGCCCGTTACCAGGACGAGCTAACAGCACTGCTGCGTTTGACGGTGGCTACCGGTGGGCGAG  
 AAGCCGGTGCCTCGGGGAACCCCTGGGGATTGAGCCGTGGGTCTGGAGGATCTCCTGGTTCTTTCGT  
 TCCAGAGGCCCTCCGATCCCGGATACGGGAGCCAGAGGCCAGAGAAGATTACTTTGGCACCTGTATCAAG  
 TGCAACAAAGGTATCTATGGGCAGAGCAATGCCGAGGCCCTGGACAGCCTCTACCACACCCAGTGTCT  
 TTGCTGCTGCTCCTGTGGACGAACTTTGCGGTGCAAGGCTTTCTACAGCGTCAACCGCTGTGTCTACTG  
 TGAGGAAGATTATCTGTTTTAGGGTTTCAGGAGCAGCTGAGAAGTGCTGTGTCTGTGGCCACTTGATT  
 CTAGAGAAGATCTCCAGGCCATGGGGAAGTCTATCATCCAGGCTGCTCCGGTGCATCGTTTGTAAACA  
 AGTGCCTGGACGGCGTCCCTTCACTGTGGACTTCTCCAACAGGTGACTGTGTGACTGACTACCACAA  
 AAATTACGCCCGAAATGTGCAGCCTGTGGACAGCCATCCTCCCTCAGAGGGCTGTGAGGACATTGTG  
 AGGGTGATATCCATGGACCGTATTACTTTGAGTGTACCCTGTGAGGACTGCCGATGCAGCTGA  
 GTGACGAGGAAGTTGCTGCTGTTCCCTTACGGGACATTTGCTCTGCCACGGCTGTCACATGCAGCG  
 CCTCAGTGCCCGACAGCCCCCTACCACTATATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203890 representing NM\_053503  
 Red=Cloning site Green=Tags(s)

MERLGEKASRLLEKLRLSDSGSAKFGRKGEASRSGSDGTPGAGKGRLSLGGPRKSGHRGANGGPGDEA  
 LEPAREQGPLDAERNARGSFQRFEGSFPGPPPTRALPLPLSSPPDFRLETTAPALSPRSSFASSAS  
 DASKPSSPRGSLLLDGAGASGAGSRPCSNRTSGISMGYDQRHGSPLPAGPCLFGLPLTTAPSGYSSGGV  
 PSAYPELHAALDRLCAHRPVGFGCQESRHSYPPALGSPGALTGAVVGTAGPLERRGTQPRHSVTGYGDC  
 AAGARYQDEL TALLRLTVATGGREAGARGEPLGIEPSGLEESPGSFVPEASRSRIPEAREDYFGTCIK  
 CNKGIYQSNACQALDSL YHTQCFVCCSCGRTL RCKAFYSVNGSVYCEEDYLFSGFQEA AEKCCVGHIL  
 LEKILQAMGKSYHPGCFRCIVCNKCLDGV PFTVDFSNQVYCVTDYHKNYAPKCAACGQPI LPSEGCEDIV  
 RVISMDRDYHFECYHCEDCRMQLSDEEGCCFPPLDGHLLCHGCHMQRLSARQPPTNYI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

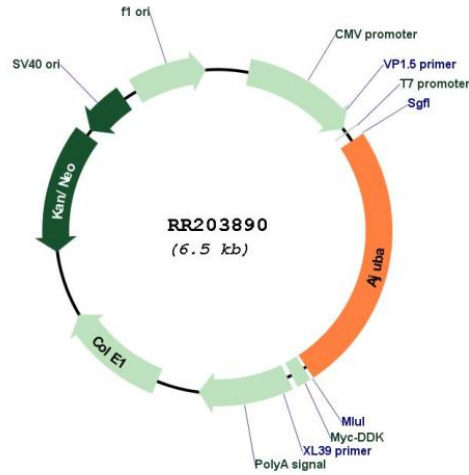
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_053503
<b>ORF Size:</b>	1644 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_053503.1</a> , <a href="#">NP_445955.1</a>
<b>RefSeq Size:</b>	3261 bp
<b>RefSeq ORF:</b>	1647 bp
<b>Locus ID:</b>	85265
<b>UniProt ID:</b>	<a href="#">Q5U2Z2</a>
<b>Cytogenetics:</b>	15p13
<b>MW:</b>	58.1 kDa
<b>Gene Summary:</b>	cytoplasmic LIM protein that binds glial glutamate transporter GLT-1 and is proposed to allow glial glutamate transporter GLT-1 to regulate intracellular signaling or interact with the cytoskeleton [RGD, Feb 2006]