

## Product datasheet for **RN210245**

### **Ago2 (NM\_021597) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ago2 (NM_021597) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ago2
Synonyms:	Eif2c2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN210245 representing NM\_021597  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTACCATGTACTCGGGAGCCGGCCCCGTTCTTTCGCTCTCCTGCTCCGACAACATCACCCATCCCAG  
 GATATGCCTTCAAGCCTCCACCTCGGCCGATTTCGGCACCACCGGAGAACAACTCAAACCTACAGGCCAA  
 TTTCTTTGAAATGGACATCCCCAAAATTGACATCTACTATGAATTGGACATCAAACCTGAGAAATGC  
 CCTCGGAGAGTGAACAGGGAAATAGTGGAGCATATGGTCCAGCACTTTAAAACCCAGATCTTCGGGGACC  
 GGAAGCCAGTGTGGTGGACGGAAGAATCTGTACACAGCTATGCCCTTCCAATTGGCAGGGACAAGGT  
 GGAAGTGGAGGTCAGCTGCCAGGAGAAGGCAAGATCGCATCTCAAGGTATCCATCAAGTGGGTATCC  
 TGCGTGAGCTTGACGGCTTACACGATGCACTTTCGGGGCGGCTGCCAGCGTCCCCTTCGAGACGATCC  
 AGGCCCTGGACGTTGTCATGAGGCACTTGCCATCCATGAGGTACACCCCTGTTGGCCGTTCTTCTTCCAC  
 TGCATCGAAGGCTGTTCCAACCTCTGGGAGGGGCGAGAGAAGTGTGGTTTGGCTTCCATCAGTCCGTC  
 CGACCTTCTCTTTGGAATGATGCTGAACATCGATGTATCAGCAACAGCATTTTACAAGGCACAGCCAG  
 TGATCGAGTTTGTGGTGAAGTGTGGATTTTAAAAGTATTGAAGAACAACAAAAACCTCTGACAGATTC  
 CCAAAGGGTAAAGTTTACCAAAGAAATTAAGGTCTAAAGGTGGAGATAACGCACTGTGGTCCAGTGAAG  
 AGGAAATACCGTGTCTGCAATGTGACCCGGCGCCTGCCAGTCACCAAACGTTCCCACTGCAGCAGGAGA  
 GTGGGCAGACAGTGGAGTGTACAGTGGCTCAGTACTTCAAGGACAGGCACAAGCTGGTTTTGCGCTACCC  
 CCACCTCCCATGTTTACAAGTTGGACAAGAGCAGAAACACACCTACCTTCTTTGGAGGTCTGTAACATA  
 GTTGCTGGACAGAGATGTATAAAAAATTAACAGACAATCAGACCTCAACCATGATCAGAGCAACTGCCA  
 GGTGACACCCGATCGGCAAGAGGAGATCAGCAAATTGATGCGAAGTGAAGTTTCAATACAGACCCGTA  
 TGTTCTGTAATTTGGGATCATGGTGAAGATGAGATGACAGATGTGACAGGACGGGTTCTGCAGCCGCC  
 TCCATCTCTACGGGGCAGGAACAAAGCGATTGCCACCCCTGTCCAGGGTGTGTGGGACATGAGAAACA  
 AGCAGTTCACACGGGCATCGAGATCAAGGTGTGGGCCATCGCCTGCTTTCACCCACGCGCCAGTGTAC  
 AGAAGTCCATCTCAAGTCTTACAGAGCAACTGAGGAAGATCTCAAGAGATGCTGGGATGCCTATCCAG  
 GGTGAGCCCTGCTTCTGTAATACGCACAGGGGCGAGACAGTGTGGAACCCATGTTCCGACACCTGAAGA  
 ACACATACGCTGGTCTCCAGCTGGTGGTGGTTATCCTGCCTGGCAAGACTCCTGTGTACGCGGAAGTCAA  
 GCGTGTGGGAGACAGGTGCTGGGCATGGCCACGCACTGTGTCCAGATGAAGAACGTGCAGAGGACCACG  
 CCACAGACCCTATCCAATCTCTGCTTAAAGATCAATGTCAAACCTGGGAGGAGTCAACAACATCCTGCTGC  
 CACAGGGCAGGCCTCCAGTGTCCAGCAGCCTGTATCTTCTGGGAGCCGATGTACCCACCCACCAGC  
 TGGGGATGGGAAGAAACCTTCAATTGCTGCCGTGCTGGGCGAGATGGACGCACACCCCAACCGCTACTGT  
 GCCACCGTGCAGCTACAGCAGCACCAGGAGATCATCCAGGACCTGGCTGCTATGGTGCAGAGCTGC  
 TCATTCAGTTCTACAAATCTACACGCTTCAAGCCACCCGCATCATCTTCTACCGAGACGGCGTCTCTGA  
 GGGCCAGTTCCAGCAGGTTCTTACCATGAGCTCCTGGCCATCAGAGAGGCTGCATAAAGCTGGAGAAG  
 GAATATCAGCCAGGGATCACATTCATCGTGGTGCAGAAGCGGCACCACACAGCTCTTCTGCACAGACA  
 AGAATGAGCGGTTGGAAAGAGTGGGAACATCCAGCAGGCACAACCGTGCACACAAAGATCACCCACCC  
 AACTGAGTTTGACTTCTACCTGTGCACTGCTGGCATCCAGGGGACAAGCCGTCCTTCCCACTACCC  
 GTGCTCTGGGATGACAAATCGTTTCTCTTCTGATGAGCTTCAAGATTCTGACCTACCAGCTGTGTACACCT  
 ACGTGCCTGCACACGCTCTGTGTCAATTCCTGCGCCAGCTTACTATGCCACCTGGTGGCCTTCGGAGC  
 CAGGTACCACCTGGTGGATAAAGAACATGACAGCGCTGAAGGAAGCCATACCTCTGGGCAGAGCAACGGG  
 CGAGATCACAGGCGCTGGCCAAGGCGGTCCAGGTCCACCAGGACACACTGCGCACCATGTACTTTGCTT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_021597

<b>Insert Size:</b>	2592 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_021597.1</a> , <a href="#">NP_067608.1</a>
<b>RefSeq Size:</b>	2626 bp
<b>RefSeq ORF:</b>	2592 bp
<b>Locus ID:</b>	59117
<b>UniProt ID:</b>	<a href="#">Q9QZ81</a>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	may have important roles in development and exert the effects on cell differentiation from the level of intracellular membranes [RGD, Feb 2006]