

## Product datasheet for **SC103990**

### **RNase H2 subunit C (RNASEH2C) (AF312034) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	RNase H2 subunit C (RNASEH2C) (AF312034) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	RNase H2 subunit C
<b>Synonyms:</b>	AGS3; AYP1
<b>Mammalian Cell Selection:</b>	None
<b>Vector:</b>	<u><a href="#">pCMV6-XL4</a></u>
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)
<b>Fully Sequenced ORF:</b>	>OriGene ORF sequence for AF312034 edited ATGGAGAGCGGCGACGAAGCGGCCATCGAGAGGCACCGCTCCACTTGCCTCCGCCACA TTGCGCGACGCCGTACCGCCACACTGCATCTGCTGCCCTGCGAGTTGCGGTGGACGGG CCCGCCCCGGTGGGGCGCTTCTTACGCCCGCCATCCGCCAGGGCCCCGAGGGACTCGAA GTGTCGTTTCGGGGCCGCTGTCTACGGGAGAGGAGGTGGCGGTGCCCTGGCCTCGTG GGATACGTGATGGTGACAGAAGAGAAGAAGGTGTCGATGGGGAAGCCAGACCCCTTTCGG GATTCGGGACTGACGACCAAGAGGAGGAGCCGCTGGAGCGGACTTCGACCGCTTCATT GGAGCCACTGCCAACTTCAGCCGCTTACCCTGTGGGGTCTGGAGACCATCCCTGGCCCC GATGCCAAAGTTCGTGGGGCCTTAAGTGGCCAGCCTTGGCGCAGCGATTACGCACAG GTGCCCCGAGGACTGA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for AF312034 unedited NGGGTCCCAATAGTATACGACTCATATAGGCGGCCGGAATTCGGCACGAGGCTGGCGT CGCGTAGGAGGGAGGATGGAGAGCGGCGACGAAGCGGCCATCGAGAGGCACCGCTCCAC TTGCGCTCCGCCACATTGCGCGACGCCGTACCCGCCCACTGCATCTGCTGCCCTGCGAG GTTGCGGTGGACGGGCCCGCCCGTGGGGCGCTTCTTACGCCCCGCATCCGCCAGGGC CCCGAGGGACTCGAAGTGTGTTTTCGGGCCGCTGTCTACGGGGAGAGGAGGTGGCGGTG CCGCCTGGCCTCGTGGGATACGTGATGGTGACAGAAGAGAAGAAGTGTGATGGGGAG CCAGACCCCTTGCGGGATTCCGGGACTGACGACCAAGAGGAGGAGCCGCTGGAGCGGGAC TTCAGCCGCTTCAATTGGAGCCACTGCCAACTTCAGCCGCTTACCCTGTGGGGTCTGGAG ACCATCCCTGGCCCGGATGCCAAAGTGCCTGGGGCCTTAACTTGGCCAGCCTTGCGGCA GCGATTACGCACAGGTGCCCGAGGACTGAGAACCAGAGCTTCAAATCAAAGCTGCGAT CCCTTACAGCAGTAAACCAGCTCTTTGGAACCGATTCCATACCCCAATAAAGGAGCTC TTCACAGACCTGTGAGTCTGGGCGCTTANAGCCCTAAGCCAGCATGGGCCCTTTCC CCTCCCCACCAAGAACTTGCATGGCTCTGGCATATAGAAACATTTATTGCCGNGGCAA TANGGGTAAGAGAAGCCACGAAATTTTTGAGGCAGAACCACCCACCCCACTTTTACT TTACAAAGGAATTNTTACAATCACAAAGCCTCTGTACAGAGCTNCCCATNCGNATCCCTT TNACTGTACCCAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AF312034
<b>Insert Size:</b>	2800 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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">AF312034.1</a></u> , <u><a href="#">AAL87739.1</a></u>
<b>RefSeq Size:</b>	514 bp
<b>RefSeq ORF:</b>	514 bp
<b>Locus ID:</b>	84153
<b>Cytogenetics:</b>	11q13.1
<b>Protein Pathways:</b>	DNA replication

**Gene Summary:**

This gene encodes a ribonuclease H subunit that can cleave ribonucleotides from RNA:DNA duplexes. Mutations in this gene cause Aicardi-Goutieres syndrome-3, a disease that causes severe neurologic dysfunction. A pseudogene for this gene has been identified on chromosome Y, near the sex determining region Y (SRY) gene. [provided by RefSeq, Jul 2008]