

## Product datasheet for **SC123138**

### HAUS1 (NM\_138443) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HAUS1 (NM\_138443) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** HAUS1  
**Synonyms:** CCDC5; HEI-C; HEIC; HsT1461  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_138443 edited  
 GCGGGGCGCATCTCCCGCTAGGAGTTCCTAGTAAAGTGGCGGGAGCCGCAGCTATGGAGC  
 CGCAGGAGGAGAGAGAAACGCAGGTTGCTGCGTGGTTAAAAAATATTTGGAGATCATC  
 CTATTCCACAGTATGAGGTGAACCCACGACCACAGAGATTTTACATCACCTTTCAGAAC  
 GCAACAGGGTCCGGGACAGGGATGTCTACCTGGTAATAGAGGACTTGAAGCAGAAAGCAA  
 GTGAATACGAGTCAGAAGCCAAGTATCTTCAAGACCTTCTCATGGAGAGTGAATTTTT  
 CCCCCGCAATCTCTCTAGCACTGGTCCAGGTATCTGAATGCTTTGGTTGACAGTGC GG  
 TGGCCCTTGAACAAAGGATACCTCGCTAGCTAGTTTTATCCCTGCAGTGAATGATTTGA  
 CCTCTGATCTCTTTCGTACCAAATCCAAAAGTGAAGAAATCAAGATTGAACTGGAAAAAC  
 TTGAAAAAATTTAACTGCAACTTTAGTATTAGAAAAATGTCTACAAGAGGATGTCAAGA  
 AAGCAGAGTTGCATCTGTCTACAGAAAGGGCCAAAGTTGATAATCGTCGTCAGAACATGG  
 ACTTTCTAAAAGCAAAGTCAGAGGAATTCAGATTTGGAATCAAGGCTGCAGAGGACAAC  
 TTTTCAGCCAGAGGCATGGATGCTTCTGTCTCATCAGTCCTTAGTAGCACTATCAGAGA  
 AACTGGCAAGATTAAGCAACAGACTATACCTTTGAAGAAAAAATGGAGTCCTATTTAG  
 ACTTAATGCCGAATCCGCTCTTGTCTCAAGTGAATTTGAAGAAGCAAAGCGAGAAGTAG  
 ATAGCATTGAAGCTGAACCTACAAGAAGAGTAGACATGATGGAAGTGTGACAAAAGCCAA  
 ATAAACATCCTTTTCCCTAACAAAGTAAATTGAATAGGACTTTACAGAGTTCTTTTTCT  
 CTTGGCATTTCCTAATAACAAAACCTTTCTGTGTTCTTAGATTACAGAATATCATAATTGA  
 TAGAATATGGTTTCTTACTGTGTGTTGCATTTTGTGCCCAAATACATAGTTTTTCATATT  
 AAAAAGCCTTTTCTTAAAAAATT



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_138443 unedited NGGTCCAGTTCAAAATTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGGGC GGGGCGCATCTCCCGCTAGGAGTTCCTAGTAAAGTGGCGGGAGCCGCAGCTATGGAGCCG CAGGAGGAGAGAGAAACGCAGGTTGCTGCGTGGTAAAAAATATTTGGAGATCATCCT ATTCCACAGTATGAGGTGAACCCACGGACCACAGAGATTTACATCACCTTTCAGAACGC AACAGGGTCCGGGACAGGGATGTCTACCTGGTAATAGAGGACTTGAAGCAGAAAGCAAGT GAATACGAGTCAGAAGCCAAGTATCTTCAAGACCTTCTCATGGAGAGTGTGAATTTTTCC CCCGCCAATCTCTAGCACTGGTTCAGGTATCTGAATGCTTTGGTTGACAGTGCGGTG GCCCTTGAACAAGGATACCTCGCTAGCTAGTTTTATCCCTGCAGTGAATGATTGACC TCTGATCTTTTCGTACCAAATCCAAAAGTGAAGAAATCAAGATTGAACTGGAAAACTT GAAAAAATTTAACTGCAACTTTAGTATTAGAAAAATGTCTACAAGAGGATGTCAAGAAA GCAGAGTTGCATCTGTCTACAGAAAGGGCCAAAGTTGATAATCGTCGTCAGAACATGGAC TTTCTAAAAGCAAAGTCAGAGGAATTCAGATTTGGAATCAAGGCTGCAGAGGAGCAACTT TCAGCCAGAGGCATGGATGCTTCTGTCTCATCAGTCCTTAGTAGCACTATCAGAGAAA CTGGGCAGATTAAGCAACAGACTATACCTTTTGAAAAAATTGGAGTCTATTTAGAC TTAATGCCGAATCCGTCTTTGCTCAGTGGAATTAAGAAAGCAAGCGAGGACTAGATA G
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_138443
<b>Insert Size:</b>	1127 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_138443.2</a> , <a href="#">NP_612452.1</a>
<b>RefSeq Size:</b>	1118 bp
<b>RefSeq ORF:</b>	837 bp
<b>Locus ID:</b>	115106
<b>UniProt ID:</b>	<a href="#">Q96CS2</a>
<b>Cytogenetics:</b>	18q21.1
<b>Protein Families:</b>	Stem cell - Pluripotency

**Gene Summary:**

HAUS1 is 1 of 8 subunits of the 390-kD human augmin complex, or HAUS complex. The augmin complex was first identified in *Drosophila*, and its name comes from the Latin verb 'augmentare,' meaning 'to increase.' The augmin complex is a microtubule-binding complex involved in microtubule generation within the mitotic spindle and is vital to mitotic spindle assembly (Goshima et al., 2008 [PubMed 18443220]; Uehara et al., 2009 [PubMed 19369198]). [supplied by OMIM, Jun 2010]

Transcript Variant: This variant (1) represents the shorter transcript and is protein-coding.