

## Product datasheet for **MC206482**

### Hs3st1 (BC009133) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hs3st1 (BC009133) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hs3st1  
**Synonyms:** 3-OST  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC009133  
 CTGCGGTCACCGCCGGTCTCTCTCGGTGAGTGCCTGTGTCCCTTACCCTCGCCCGTCCCGGGGTGAG  
 TGTGAATTTGCTCCAAAGGGCGCAGTACTTGGCGGGTGTGCTGCCATGGCCCGCCGGAGAGAGATT  
 GAGGGCGCCGGACCGCTGGACGGGTACCGCACTCAGTAATTGGCAACTGGAGATACTCATGTTCCAGTA  
 ATCAAGAGGGAGCCTTGCTGCTACTTCATGATCCAGGCGGTGTGGCCAGTGAAGTCCCTGAGCTGTAC  
 AGCATGACCTTGCTGCTCCTGGGTGCGGTGCTGCTGGTGGCCAGCCCCAGCTTGTGCATCCCACCCGG  
 CTGCTCCTGGCCCGGGCTCAAACAGCAGGAGCTTCTGAGGAAGGTGATTATTCTCCAGAGGACCCGG  
 AGAAGGCACAGCATCCAATGGTTCACACAGCAGCTGCCACAGACCATCATCATTGGGGTGCGAAGGGT  
 GGTACCCGAGCCCTGCTAGAGATGCTCAGCCTGCATCCTGATGTTGCTGCAGCTGAAAACAGGTTCCATT  
 TCTTTGACTGGGAGGAGCATTACAGCCAAGGCCTGGGCTGGTACCTCACCAGATGCCCTTCTCCTCCCC  
 TCACCAGCTCACCGTGGAGAAGACACCCGCTATTTCACTTCGCCCAAAGTGCCTGAGAGAATCCACAGC  
 ATGAACCCACCATCCGCTGCTGCTTATCCTGAGGGACCCATCAGAGCGGTGCTGTCCGACTACACCC  
 AGGTGTTGTACAACCACCTTCAGAAGCACAAGCCCTATCCACCCATTGAGGACCTCCTAATGCGGGACGG  
 TCGGCTGAACCTGGACTACAAGGCTCTCAACCGCAGCCTGTACCATGCACACATGCTGAAGTGGTGCCT  
 TTTTTCCCGTTGGGCCACATCCACATTGTGGATGGCGACCCGCTCATCAGAGACCCTTCCCTGAGATCC  
 AGAAGTGCAGAAATCCTGAAGCTTCTCCACAGATCAACGCCTCGAATTTCTACTTTAACAAAACCAA  
 GGGCTTCTACTGCCTGCGGGACAGTGGCAAGGACCGCTGCTTACACGAGTCCAAAGGCCGGGCGCACCCC  
 CAGGTGGATCCCAAACTACTTGATAAATGCACGAATACTTTTCATGAGCCAAATAAGAAATTTTTCAAGC  
 TCGTGGCAGAACATTCGACTGGCACTGATTTGCCGCTCCTAGGCTCGGGACTTTTCTGTTGTTAACT  
 TCTGGTGTACATCTGAAGGGGGAGGAAAATAATTTTAAAAAGGCATTTAAGCTATAATTTATTTGTAAA  
 ACCCACAAATGACTTCTGTACAGTATTAGATTCACAGTTGCCATATATAGTAGTTATATTTTTCTACTTG  
 TAAATGGAGGGCGTTTTGTATTGTTTTTCATGTTGTTAACATTGTGTATATGTCTCTATAATATGAAG  
 GAACTTAACTATTGCACTGAAAAATAAGAGATTTTTTTTTCTGGAGACCTCTTTTTTTGTTGTTGTTG  
 TTTTAAATATAATTAACCTGCCTCCAATCCAAAATAGCTCTTTGTTTTTACCTCCTGTCAAATCTATAA  
 TCTTTTTCTGCTTAAAAAATTTATTGGTATTAATAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI



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<b>ACCN:</b>	BC009133
<b>Insert Size:</b>	936 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="#">BC009133</a> , <a href="#">AAH09133</a>
<b>RefSeq Size:</b>	1657 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	15476
<b>Cytogenetics:</b>	5 21.14 cM
<b>Gene Summary:</b>	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to position 3 of glucosamine residues in heparan. Catalyzes the rate limiting step in the biosynthesis of heparan sulfate (HSact). This modification is a crucial step in the biosynthesis of anticoagulant heparan sulfate as it completes the structure of the antithrombin pentasaccharide binding site.[UniProtKB/Swiss-Prot Function]