

## Product datasheet for **MC228465**

### Hs6st2 (NM\_001290467) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st2 (NM_001290467) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hs6st2
Synonyms:	6OST2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC228465 representing NM\_001290467  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCACTGCCTGCGTTTGCAGCCCGGGCGCTCGGGCCGCACTGCAACCGAGCAAGGAGCGCCCGCC  
 GCACCACCTGTCCCGCCGGCATTCCAGAGTAGAGGCCGAATTGGCAGCAAGCCGGCCGGTCTGTTGC  
 CGCCTCAGTCCGCGCCGGCCCTCTAGGGTGTGTCTCTCGGATCAACTCCCGCCGCTCCAGGACAAG  
 CCCCCAAAGGCATTTTCTTCTTGGCGGGAGCCTTGCAGCCCGCTCTTCGCGTGTCTGCTCGAGGCC  
 GCCGAGGCGGATGCACGACCTCAGGCGACGCTGGGACCTGGGCTCCCTCTGCCGGGCCCTGCTCACTCG  
 GGGCTGGCAGCCGTGGGCCACTCGCTCAAGCACGTGCTCAGTGCATCTTCTCAAGATTTTGGTCCC  
 TTGGCCAGCGTCGGGAACATGGATGAGAAATCTAACAAGCTGCTGCTGGCTTTGGTATGCTCTTCTAT  
 TTGGGTGATCGTCTCAATACGTGTGCCCGGCACAGAATGCCAGCTCTCCGCTGCAGGCGTTCAG  
 CTCGCCGTGCCGATCCGTACCGCTCGGAGGATGAGAGTTCGGCCAGGTTTGTACCCCGCTACAATTC  
 AGCCGCGCGATCTCTGCGCAAGGTAGACTTCGACATCAAGGGCGATGACCTGATCGTGTCTCTGCACA  
 TCCAGAAGACTGGGGCACCACTTTTGGCCGTCACCTGGTGCACAACATCCAGCTGGAGCAGCCATGTGA  
 GTGCCCGTGGGGCAGAAGAAATGCACTTGCCACCGCCGGTAAGAGGGAGACCTGGCTTTCTCCAGG  
 TTCTCCACCGCTGGAGCTGCGGGTGCATGCCGACTGGACCGAGCTCACCAGCTGCGTGGCGGGTGG  
 TGGATGGCAAGCGCGACGCCAGGCTGAGACCTCCAGGAATTCATTACATTACCATCTGAGAGACCC  
 AGTGTACGGTACTTGAGTGAATGGAGGCATGTCCAGAGAGGAGCAACTGGAAAGCATCCCTGCACGTC  
 TGTGATGGAAGGCCCAACCTCTGAAGAGCTGCCAGCTGTACACCGGTGATGACTGGTCTGGATGCC  
 CTCTCAAAGATTTCATGGACTGTCCCTATAATCTGGCCAACAACCGCAAGTTTCGATGCTATCTGACCT  
 GACTCTAGTGGGATGCTACAACCTCTCTGTCATGCCTGAAAAGCAAAGAAACAAAGTCTTCTGAAAGT  
 GCCAAATCCAATCTGAAGCACATGGCGTTCTTTGGCCTCACTGAGTTTACGCGCAAGACCCAGTACCTGT  
 TTGAGAAGACCTCAACATGAACTTTATCTCGCGTTTACCCAGTATAATACCACTAGGGCCTCTAGTGT  
 TGAGATCAATGAGGAAATCCAAAAGCGTATTGAGGGACTGAATTTTCTGGATATGGAGTTGTACAGCTAT  
 GCTAAAGACCTCTTTCTGCAAAGGTATCAGTTCATGAGGCAGAAAGAACATCAGGATGCCAGGCGGAAGC  
 GTCAGGAGCAACGCAATTTCTGAAGGGAAGGTTCTTCCAGACCCATTTCCAGAGTCAGAGTCAGGGTCA  
 GAGCCAGAGCCAGAGTCCAGGTCAGAATCTGAGTCAGAATCCAAATCCTAACCAATCAGAACCTGACT  
 CAGAACCTGAGTCACAATCTGACTCCGAGTTCAAATCCCAATTCGACCCAGAGGGAGAACCAGGGGAAGTC  
 AGAAGCAGGGCTCAGGCCAGGGACAAGGTGATAGCGGCACCAGCAATGGCACCAATGACTACATAGGGAG  
 CGTAGAGACATGGCG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001290467
- Insert Size:** 1839 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001290467.1](#), [NP\\_001277396.1](#)

**RefSeq Size:** 4672 bp

**RefSeq ORF:** 1839 bp

**Locus ID:** 50786

**UniProt ID:** [Q80UW0](#)

**Cytogenetics:** X A5

**Gene Summary:** 6-O-sulfation enzyme which catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to position 6 of the N-sulfoglucosamine residue (GlcNS) of heparan sulfate.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.