

Product datasheet for **MC220084**

Hs6st2 (NM_001077202) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st2 (NM_001077202) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hs6st2
Synonyms:	6OST2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220084 representing NM_001077202
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACTGCCTGCGTTTGCAGCCCGGGCGCTCGGGCCGCACTGCAACCGGAGCAAGGAGCGCCCGCC
 GCACCACCTGTCCCGCCGGCATTCCAGAGTAGAGGCCGAATTGGCAGCAAGCCGGCCCGGTCTGTTGC
 CGCCTCAGTCCGCGCCGGCCCTCTAGGGTGTGTCTCTCGGATCAACTCCCGCCGCTCCAGGACAAG
 CCCCCAAAGGCATTTTCTTCTTGGCGGGAGCCTTGCAGCCCGCTCTTCGCGTGTCTGCTCGAGGCC
 GCCGCAGGCGGATGCACGACCTCAGGCGACGCTGGGACCTGGGCTCCCTCTGCCGGGCCCTGCTCACTCG
 GGGCTGGCAGCCGTGGGCCACTCGCTCAAGCACGTGCTCAGTGCATCTTCTCAAGATTTTCGGTCCC
 TTGGCCAGCGTCGGGAACATGGATGAGAAATCTAACAAGCTGCTGCTGGCTTTGGTGATGCTCTTCTAT
 TTGGGTGATCGTCTCAATACGTGTGCCCGGCACAGAATGCCAGCTCCTCCGCTGCAGGCGTTCAG
 CTCGCCGTGCCGATCCGTACCGCTCGGAGGATGAGAGTTCGGCCAGGTTTGTACCCCGCTACAATTC
 AGCCGCGCGATCTCTGCGCAAGGTAGACTTCGACATCAAGGGCGATGACCTGATCGTGTCTCTGCACA
 TCCAGAAGACTGGGGCACCACTTTTGGCCGTACCTGGTGCACAACATCCAGCTGGAGCAGCCATGTGA
 GTGCCCGTGGGGCAGAAGAAATGCACTTGCCACCGCCGGTAAGAGGGAGACCTGGCTCTTCTCCAGG
 TTCTCCACCGGCTGGAGCTGCGGGTGCATGCCGACTGGACCGAGCTCACCAGCTGCGTCCCGCGGTGG
 TGGATGGCAAGCGCAGCCAGGCTGAGACCTCCAGTGGAGGATTTTTCAGATTCTAGATGGAACAAG
 TAAGGATAGATGGGGTTCTTCAAATCAACTCAGGCGCAACTCTCCATCCTCCAAAAGCCCCGGAGC
 ACATCGAAGAGTGGGAAGAACTTCAATTACATTACCATCCTGAGAGACCCAGTGTACGGTACTTGAGTG
 AATGGAGGCATGTCCAGAGAGGAGCAACTTGGAAAGCATCCCTGCACGTCTGTGATGGAAGGCCCAAC
 CTCTGAAGAGCTGCCAGCTGTACACCGGTGACTGGTCTGGATGCCCTCTCAAAGAGTTCATGGAC
 TGTCCTATAATCTGGCCAACAACCGCCAAGTTCGCATGCTATCTGACCTGACTCTAGTGGGATGCTACA
 ACCTCTGTGCATGCCTGAAAAGCAAAGAAACAAAGTCTTCTGGAAAGTCCAAATCCAATCTGAAGCA
 CATGGCGTTCTTTGGCCTCACTGAGTTTTCAGCGCAAGACCCAGTACCTGTTTGAAGACCTTCAACATG
 AACTTTATCTCGCCGTTTACCCAGTATAATACCACTAGGGCTCTAGTGTGAGATCAATGAGGAAATCC
 AAAAGCGTATTGAGGGACTGAATTTTCTGGATATGGAGTGTACAGCTATGCTAAAGACCTTTTCTGCA
 AAGGTATCAGTTCATGAGGCAGAAAGAACATCAGGATGCCAGGCGGAAGCGTCAGGAGCAACGCAATTT
 CTGAAGGAAGGTTCTTCCAGACCCATTTCCAGAGTCAGAGTCAGGGTCAGAGCCAGAGCCAGAGTCCAG
 GTCAGAATCTGAGTCAGAATCCAAATCCTAACCAAAATCAGAACCTGACTCAGAACCTGAGTCACAACT
 GACTCCGAGTTCAAATCCAATTCGACCCAGAGGAGAACCGGGGAAGTCAAGAGCAGGGCTCAGGCCAG
 GGACAAGGTGATAGCGGCACCAGCAATGGCACCAATGACTACATAGGGAGCGTAGAGACATGGCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001077202
- Insert Size:** 1959 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).
- 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_001077202.2](#), [NP_001070670.1](#)

RefSeq Size: 4792 bp

RefSeq ORF: 1959 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 (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.