

## Product datasheet for **MC216491**

### **Hs6st3 (NM\_015820) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hs6st3 (NM_015820) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hs6st3
Synonyms:	6OST3; HS6ST-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216491 representing NM\_015820  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGAAAGGTTCAACAAGTGGCTGCTGACGCCGGTGTCTACTCTCTTCTCGTGGTCATCATGTACC  
 AGTACGTGTCCCCTTCTGCACCAGCTCATGCACCAACTTCGGGGAGCAGCTCCGCTCCGGGAGGCCCG  
 CCCGCCGCTGTCCCGAGTCTGCCGACGGGACAAGCACCCCTTGATGAGTGGGAGCGCGGCCCCAG  
 CTGCCACCGCCACCCCGGGGACCGCCGAGGGTCTCGTGGGGTCCGCGCTCCCGAGGATGAGGATGAGG  
 ATCCCGGGGACCCGGAGGAGGAGGAGGAGGAAGAAGAGGAGGAGCCGACCCCGAGGCGCCGAAAAACGG  
 CTCCCTGCCCGGTTCTGCTCGATTCAACTTACCCTCAAGGACCTGACCCGCTTCGTGGACTTCAAC  
 ATCAAAGGGCGGGATGTGATCGTGTCTGCACATCCAGAAGACCGGGGACACAGTTCGGCCGGCACC  
 TGGTGAAGAACATTCGTCTGGAGCAGCCATGCAGCTGCAAAGCTGGCCAGAAAAAGTGCACCTGCCACCG  
 GCCGGCAAGAAGGAGACCTGGCTTTCTCCCGCTTCTCCACCGCTGGAGCTGCGGGCTGCATGCCGAC  
 TGGACCGAGCTACCAACTGCGTGCCGGCCATCATGGAGAAGAAGGATTGCCCGCAACCACAGCCACA  
 CCAGGAATTTCTACTACATCACGATGTTGCGGGACCCAGTGTACGTTACCTGAGCGAATGGAAGCATGT  
 CCAGAGAGGGGCCACATGGAAAACCTCTCTCCATATGTGCGACGGAAGGAGCCCCACACCAGATGAGCTG  
 CCTACCTGCTATCCTGGGGATGACTGGTCTGGGGTCCAGCTTGGCGGAGTTCATGGATTGTAGCTACAACC  
 TGGCCAACAACCGCAAGTGCATGCTGGCCGACCTCAGCCTGGTGGGCTGCTACAACCTGACTTTTCAT  
 GAATGAGAGCGAGCGGAACCATCCTGCTGCAGAGCGCTAAGAACAATCTGAAGAATATGGCCTTTT  
 GGGCTCACTGAATCCAGAGGAAGACACAGTTTCTTTGAGAGGACATTCAACCTGAAGTTCATCTCTC  
 CTTTCACACAGTTCAACATCACACGGGCATCCAACGTGGACATCAATGATGGAGCCGTCAGCACATCGA  
 GGAGTTGAATTTCTGGACATGCAGCTTATGAGTATGCGAAGGATCTCTTCCAGCAACGCTACCATCAC  
 ACCAAACAGCTAGAGCACAGAGGGACCGCCAAAAGAGGCGGAGGAGCGGAGGCTGCAGCGAGAGCACA  
 GAGCACACCGGTGGCCAAAGAGGATAGGGCCATGGAGGGGACTGCTACTGAGGACTACAACAGCCAAGT  
 GGT**CAGATGGTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_015820

**Insert Size:** 1413 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\\_015820.3, NP\\_056635.2](#)

RefSeq Size: 1784 bp

RefSeq ORF: 1413 bp

Locus ID: 50787

UniProt ID: [Q9QYK4](#)

Cytogenetics: 14 E4

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]