

Product datasheet for **MC216303**

Hs6st2 (NM_015819) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st2 (NM_015819) 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: >MC216303 representing NM_015819
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAGAAATCTAACAAGCTGCTGCTGGCTTTGGTATGCTCTTCTATTTGCGGTGATCGTCTCC
 AATACGTGTGCCCGGCACAGAATGCCAGCTCCTCCGCCTGCAGGCGTTCAGCTCCCGGTGCCGATCC
 GTACCGCTCGGAGGATGAGAGTTCGGCCAGTTTGTACCCGCTACAATTCAGCCGCGCGATCTCCTG
 CGCAAGGTAGACTTCGACATCAAGGGCGATGACCTGATCGTGTTCCTGCACATCCAGAAGACTGGGGCA
 CCACCTTTGGCCGTACCTGGTGCACAACATCCAGCTGGAGCAGCCATGTGAGTGCCGCGTGGGGCAGAA
 GAAATGCACTTGCCACCGGCCGGTAAGAGGGAGACCTGGCTCTTCTCCAGGTTCTCCACCGCTGGAGC
 TGCGGGTGCATGCCACTGGACCGAGCTACCAGCTGCGTGCCGCGGTGGTGGATGGCAAGCGCGACG
 CCAGGCTGAGACCTCCAGGAATTCATTACATTACCATCCTGAGAGACCCAGTGTACGGTACTTGAG
 TGATGGAGGCATGTCCAGAGAGGAGCAACTTGGAAAGCATCCCTGCACGTCTGTATGGAGGCCCCCA
 ACCTCTGAAGAGCTGCCAGCTGTACACCGGTGATGACTGGTCTGGATGCCCTCTCAAAGATTTCATGG
 ACTGTCCCTATAATCTGGCCAACAACCGCCAAGTTCGCATGCTATCTGACCTGACTCTAGTGGGATGCTA
 CAACCTCTGTGCATGCCTGAAAAGCAAAGAAACAAAGTCCTTCTGGAAAGTGCCAAATCCAATCTGAAG
 CACATGGCGTTCTTTGGCCTCACTGAGTTTCAGCGCAAGACCCAGTACCTGTTTGAGAAGACCTTCAACA
 TGAACCTTATCTCGCCGTTTACCAGTATAATACCACTAGGGCCTCTAGTGTGAGATCAATGAGGAAAT
 CAAAAGCGTATTGAGGGACTGAATTTCTGGATATGGAGTTGTACAGCTATGCTAAAGACCTCTTCTG
 CAAAGGTATCAGTTCATGAGGCAGAAAGAACATCAGGATGCCAGGCGGAAGCGTCAGGAGCAACGCAAT
 TTCTGAAGGGAAGTTCCCTTCAGACCCATTTCCAGAGTCAGAGTCAGGGTCAGAGCCAGGCCAGAGTCC
 AGGTCAGAATCTGAGTCAGAATCCAATCCTAACCCAAATCAGAACCTGACTCAGAACCTGAGTCACAAT
 CTGACTCCGAGTTCAAATCCCAATTCGACCCAGAGGGAGAACCGGGGAAGTCAGAAGCAGGGCTCAGGCC
 AGGGACAAGGTGATAGCGGCACCAGCAATGGCACAATGACTACATAGGGAGCGTAGAGACATGGCGCTA
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_015819

Insert Size: 1401 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_015819.4](#), [NP_056634.3](#)

RefSeq Size: 4313 bp

RefSeq ORF: 1401 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 (2) differs in the 5' UTR, lacks multiple exons in the 5' and central coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus and is shorter than 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.