

Product datasheet for **MC209866**

Hs6st1 (NM_015818) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st1 (NM_015818) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hs6st1
Synonyms:	6Ost1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209866 representing NM_015818 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGAGCGGCCAGCAAGTTCGTGCTGGTGGTGGCGGGCTCGGCGTGCTTCATGCTCATCCTTTACC
AGTACGCGGGCCCGGGCTGAGTCTGGCGCGCCCGTGGCCGCTGCCCCGACGACCTGGATCTCTT
CCCCACGCGGACCCACATTACGAGAAAAAGTACTACTCCCGGTGCGGAGCTGGAGCGCTCGCTGCGC
TTCGACATGAAGGGCAGCAGCTGATCGTCTTCTGCACATCCAGAAGACCGGCGGACCACCTTCGGCC
GCCACCTAGTGCAGAACGTGCGCCTCGAGGTGCCCTGCGACTGTGCCCCGGCCAGAAGAAGTGCACCTG
CTATCGGCCAAATCGCCGCGAGACCTGGCTCTTCTCTCGCTTCTCCACGGGCTGGAGCTGCGGGCTGCAC
GCTGACTGGACCGAACTACCAACTGTGTGCCCGGTGTGCTAGACCGCCGCGACCCAGCAGGTCTGCGTT
CGCCAGAAAAGTTCTACTACATCACCTGCTGCGAGACCCGATCCCGCTACCTGAGTGAATGGCGACA
TGTACAGCGTGGGGCCACGTGGAAGACCTCCTTGACATGTGTGACGGGCGCACCCGACCCAGAGGAG
CTGCCGCCCTGCTACGAGGGCACAGACTGGTGGGCTGCACGTTGCAGGAGTTTATGGATTGCCCTATA
ACCTGGTAACAACCGCAGGTGCGCATGCTGGCCGACCTCAGCTGGTGGGCTGCTACAACCTATCTTT
CATCCCCGAGAGCAAGCGGGCCAGTTGCTGCTGGAGAGCGCCAAGAAGAACCTGCGAGGCATGGCCTTC
TTCGGCTCACTGAGTTCAGCGCAAGACGCAGTACCTATTTGAGCGGACGTTCAACCTCAAGTTCATCC
GGCATTTCATGCAATACAACAGCACGCGGGCGGGCGGTGTGGAGGTGGATGAGGACACTATCCGCCACAT
CGAGGAGCTCAACGACCTGGACATGCAGCTGTATGACTATGCCAAGGACCTCTTTCAGCAGCGTTACCAG
TACAAGAGACAGCTGGAGCGCAGGGAACAGCGCCTGCGCAATCGGAAGAGCGCCTCCTGCACCGCTCCA
AGGAAGCGCTGCCACGGGAGGACCCAGAAGAGCCGGGCGGTGTGCCACCGAGGACTACATGAGCCATAT
CATTGAGAAGTGGTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Chromatograms:	https://cdn.origene.com/chromatograms/ja3043_e06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_015818
Insert Size:	1206 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:	<ol style="list-style-type: none">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_015818.2 , NP_056633.2
RefSeq Size:	3732 bp
RefSeq ORF:	1236 bp
Locus ID:	50785
UniProt ID:	Q9QYK5
Cytogenetics:	1 B
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. Critical for normal neuronal development where it may play a role in neuron branching. May also play a role in limb development. May prefer iduronic acid. [UniProtKB/Swiss-Prot Function]