

Product datasheet for MC209993

Hs3st3b1 (NM_018805) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hs3st3b1 (NM_018805) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hs3st3b1
Synonyms: 3-OST-3B; 3Ost3b; 3OST3B1; AU041882; AW536289; Hs3st3b; m3-OST-3B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209993 representing NM_018805
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCAGCGCCTGAGCGGGCGCGGTCCTGTCTCGATGTCCCGGGCCGGTTCCTGCCGACGCCCGCC
 CGCCCCCGCCGGTGAGGAGGAAGCTCGCGTGCTCTTCGCCATGCTTTGCATCTGGCTGTACATGTT
 TTTGTACTCGTGCCGGCTCCTGTACCGCCGCTCCCGGCTGCTCTCTGGGCTCGGGTCCCGCGCT
 ACTCACGCTCAGCCAGCCCTGGTACAGCTCCGAATGAGACATCCCTAAGATGCCCTTCGGGGACCTC
 CGGCCAATTCGCTGGCTGCAGGCAAGGATAAGACAGTAGGCGCTGGGAGCCAGGAGGAGCAGAGTCCAGA
 GGCGCCGACTCCCCAGTCCCATCTCCAGTTCTTCAGCGGCGCTGGGAGCAAGCAGCTGCCGACGGCC
 ATCATCATCGGGTGAAGAAGGGCGGCACGCGGCATTGCTGGAGTTCCTGCGCGTGACCCCGACGTGC
 GCGCGTGGGCGCGAGCCCACTTTTTCGACCGCAGCTACCACAAGGGTCTTGCCTGGTACCGAGACTT
 GATGCCCAGAACCCTCAAGGGACAGATCACCATGGAGAAGACGCCAGCTACTTTGTGACCCGGGAGGCA
 CCCGCGCATCTCGCCATGTCCAAGGACACCAAGCTCATCGTGGTGGTGCAGCCGACCCGGTACCGAGG
 CCATCTCGGACTACACGACAGCTGTCCAAGCGCCGACATCCCGAGCTTCGAGAGCTGACGTTCCG
 CAACCGCAGCGGGCCTCATAGACACGCTCTGGAGCGCCATCCAGATCGGCTGTACGCCAAGCACCTG
 GAGCCCTGGCTGCGCCACTTCCCGCTCGCCAGATGCTCTTCGTGAGCGGGAGCGGCTGGTGCAGGACC
 CGGCCGCGAGCTGCGCCGCTGCAAGATTTCTGGGCTCAAGCGCATCATCACCGACAAGCACTTCTA
 CTTCAACCAGACCAAGGGCTTCCCGTGCCTCAAGAAGGGCGGAGGGCAGCGGCAAGCCGACTGCCTGGG
 AAGACTAAGGGCCGCGCACCCACCATCGCGCGGAGGTGCTGCGGCAGCTGCGTGACTTTTACCGGC
 CCTTCAACCGCAAGTTCTACCAGATGACCGCCGCGACTTCGGCTGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_018805
Insert Size:	1173 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:	<u>NM_018805.2</u> , <u>NP_061275.2</u>
RefSeq Size:	6004 bp
RefSeq ORF:	1173 bp
Locus ID:	54710
UniProt ID:	<u>Q9QZS6</u>
Cytogenetics:	11 39.47 cM
Gene Summary:	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to an N-unsubstituted glucosamine linked to a 2-O-sulfo iduronic acid unit on heparan sulfate. Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH ₂ . Unlike 3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate (By similarity).[UniProtKB/Swiss-Prot Function]