

Product datasheet for MC208709

Hs3st3a1 (NM_178870) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hs3st3a1 (NM_178870) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Hs3st3a1
 Synonyms: 3Ost3a; Hs3st3a
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC208709 representing NM_178870
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCCCCTCGGGTCCCACCGCGCCAGCCAGCCCGCGGAGCCACTGTCGCGCAGCATCTTCAGGA
 AGTTCTTGCTGATGCTCTGCTCGCTACTCACTTCCCTCTACGCTTCTACTGCCTGGCGGAGCGCTGCC
 ACCCGGCTCGGGCCCGTCGCGGGGTCCCGGGCGCGGGCTCCCTGCAGGACCCAGGAACTGGCGATG
 TGGCCCGCGGGAGCGCCAAGGAAGCGCCTCCTGCAGCTGAGGCAACGGAGGAGCGCGGGCGGTCCGGGC
 CAGGAGACAGCAGCGACCAGGAGGAGCAGAGCCCTGGGCTGGCCGCCGCCACCAGGAGGCTCCGGGGCGGG
 AAGCAGCGTGGCCGAGGCCAGCCCGGGGACCCTGGCCTTACTTCTGGACGAGGGCAGCAAGCAGCTGCCG
 CAGGCCATCATCATCGGCGTGAAGAAGGGCGGCACGCGGGCGCTGCTGGAGTTCTTGCAGCGTGCACCCCG
 ACGTGCCTGCCGTGGGTGCTGAGCCCACTTTTTTGGCCGAGCTACCACAAGGGCCTCGCCTGGTACCG
 GGATTTGATGCCAGAACCCTCGAGGGACAGATCACCATGGAGAAGACGCCAGCTACTTTGTGACCCGG
 GAGGCACCCGCGCATCTCGCCATGTCCAAGGACACCAACTCATCGTGGTGGTGCAGACCCCGGTGA
 CCAGGGCCATCTCGACTACACGCAGACGCTGTCCAAGCGCCGACATCCCAAGCTTTCGAGAGCCTGAC
 GTTCCGCAACCGCAGCGGGCCCTCATAGACAGCTCCTGGAGCGCCATCCAGATCGGCCTGTACGCCAAG
 CACCTGGAGCCCTGGCTGCGCCACTTCCGCTCGGCCAGATGCTCTTCTGAGCGGGGAGCGGCTGGTCA
 GCGACCCGCGCGAGCTGCGCCGCTGCAGGATTTCTGGCCTCAAGCGCATCATCACCGACAAGCA
 CTTCTACTTCAACCAGACCAAGGGCTTCCCGTGCCTCAAGAAGCGGAGGGCAGCGGCAAGCCGCACTGC
 CTGGGCAAGACTAAGGGCCGCGCTACCCACCATTGCGCGGGAGGTGCTGCGGCAGCTGCGTGACTTTT
 ACCGGCCCTTCAACCGCAAGTTCTACCAGATGACCGCCCGGACTTTGGCTGGGATGGA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_178870
Insert Size:	1182 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_178870.5, NP_849201.1</u>
RefSeq Size:	3933 bp
RefSeq ORF:	1182 bp
Locus ID:	15478
UniProt ID:	<u>Q8BKN6</u>
Cytogenetics:	11 40.24 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]