

Product datasheet for MC212477

Hs3st2 (NM_001081327) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hs3st2 (NM_001081327) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hs3st2
Synonyms: 6430516N12Rik; A830061E14Rik; AW491345
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212477 representing NM_001081327
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTATAGGGTCTGGGCCGCGGGGCCACCTCAGCCGCGGAGAGCGCGCAGGCTGCTCTTCGCCT
TCACACTGTCCTGTCTGCCTTACCTGTGTTACAGCTTCTGTGCTGCTGCGACGGTCTGGGCCAGAG
CCGCCTGCTCGGGCACCAGCGTTGCCTCCGCGGCCAGCGCAAGCGGCCAGAACTTCTGGCGAAGTCC
CGCCCGTGTGATCCCCGGGGCCGACGCCAGTGAAGCCAGCGCTCCAGCGCGCCGCCGCTGCCGCTC
CAGCACCGCGCCTCTCCGGATCCAATCACTCTGGCTCCCGAAGCCAGGCACAAACGGTGCCCAAGC
CCTCATTGTGGCGTCAAGAAAGGGGAACTCGGGCGGTGCTGGAGTTTATCCGCGTGCACCCGGACGTG
CGGGCCTTGGGCACTGAGCCCCACTTCTTCGACAGGAACACGGACGAGGACTGGACTGGTACAGGAGCC
TGATGCCGAGGACCTTGGAGACCCAGATCACACTGGAGAAGACGCCAGCTATTTTCGTCCTCAAGAAGC
CCCTCGACGGATCTTCAACATGTCACGAGACCAAGCTGATAGTGGTGGTGGGAACCCAGTGACCCGA
GCCATCTCTGACTACACGCAGACTCTTCCAAGAAGCCGGACATCCCCACCTTCGAGGGCCTGTCTTCC
GCAACCGCAGTCTAGGCCTGGTGGACGTCTTGAACGCTATCCGCATTGGCATGTATGCACCTGACCT
GGAAAGCTGGTGGTACTTCCACTGGCCAGATCCACTTCGTCAGTGGAGAGCGGCTCATCCCGAC
CCTGCTGGTGGATGGTTCGATTCAGGACTTCCTGGCATCAAGAGATTCATCAGACAGCAAGCACTTCT
ACTTCAACAAGACCAAGGATCCCTTGCCTGAAAAAACCAGAGTCAACCCTCCTGCCTCGATGCCTGGG
CAAATCAAAGGGAGAACTCATGTACAGATCGACCCTGAAGTTATAGACCAGCTCCGGGAATTTTATAGA
CCTTATAATATTAATTTTATGAAACTGTTGGGCAGGACTTCCGGTGGGAG**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081327



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Insert Size:	1104 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_001081327.1</u> , <u>NP_001074796.1</u>
RefSeq Size:	2270 bp
RefSeq ORF:	1104 bp
Locus ID:	195646
UniProt ID:	<u>Q673U1</u>
Cytogenetics:	7 65.07 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 GlcA2S-GlcNS. Unlike 3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate (By similarity).[UniProtKB/Swiss-Prot Function]