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Product datasheet for MC228465

Hs6st2 (NM_001290467) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st2 (NM_001290467) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hs6st2
Synonyms:	6OST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC228465 representing NM_001290467
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACTGCCTGCGTTTGCAGCCCGGGCGCTCGGGCCGCCACTGCAACCGGAGCAAGGAGCGCCCGCCC
GCACCACCTGTCCCCGCCGGCATTCCAGAGTAGAGGCCGAATTGGCAGCAAGCCGGCCCGGGTCTGTTGC
CGCCTCAGTCCGCGCCGGCCCTCCTAGGGGTGTGTCTCTCGGATTCAACTCCCCGCCGCTCCAGGACAAG
CCCCCAAAGGCATTTTCTTCCTTGGCGGGAGCCTTGCGCGCCCCGCTCTTCGCGCTGCTGCCTCGAGGCC
GCCGCAGGCGGATGCACGACCTCAGGCGACGCTGGGACCTGGGCTCCCTCTGCCGGGCCCTGCTCACTCG
GGGCCTGGCAGCCGTGGGCCACTCGCTCAAGCACGTGCTCAGTGCGATCTTCTCCAAGATTTTCGGTCCC
TTGGCCAGCGTCGGGAACATGGATGAGAAATCTAACAAGCTGCTGCTGGCTTTGGTGATGCTCTTCCTAT
TTGCGGTGATCGTCCTCCAATACGTGTGCCCCGGCACAGAATGCCAGCTCCTCCGCCTGCAGGCGTTCAG
CTCCCCGGTGCCGGATCCGTACCGCTCGGAGGATGAGAGTTCGGCCAGGTTTGTACCCCGCTACAATTTC
AGCCGCGGCGATCTCCTGCGCAAGGTAGACTTCGACATCAAGGGCGATGACCTGATCGTGTTCCTGCACA
TCCAGAAGACTGGGGGCACCACTTTTGGCCGTCACCTGGTGCGCAACATCCAGCTGGAGCAGCCATGTGA
GTGCCGCGTGGGGCAGAAGAAATGCACTTGCCACCGGCCGGGTAAGAGGGAGACCTGGCTCTTCTCCAGG
TTCTCCACCGGCTGGAGCTGCGGGCTGCATGCCGACTGGACCGAGCTCACCAGCTGCGTGCCGGCGGTGG
TGGATGGCAAGCGCGACGCCAGGCTGAGACCTTCCAGGAACTTCCATTACATTACCATCCTGAGAGACCC
AGTGTCACGGTACTTGAGTGAATGGAGGCATGTCCAGAGAGGAGCAACTTGGAAAGCATCCCTGCACGTC
TGTGATGGAAGGCCCCCAACCTCTGAAGAGCTGCCCAGCTGCTACACCGGTGATGACTGGTCTGGATGCC
CTCTCAAAGAGTTCATGGACTGTCCCTATAATCTGGCCAACAACCGCCAAGTTCGCATGCTATCTGACCT
GACTCTAGTGGGATGCTACAACCTCTCTGTCATGCCTGAAAAGCAAAGAAACAAAGTCCTTCTGGAAAGT
GCCAAATCCAATCTGAAGCACATGGCGTTCTTTGGCCTCACTGAGTTTCAGCGCAAGACCCAGTACCTGT
TTGAGAAGACCTTCAACATGAACTTTATCTCGCCGTTTACCCAGTATAATACCACTAGGGCCTCTAGTGT
TGAGATCAATGAGGAAATCCAAAAGCGTATTGAGGGACTGAATTTTCTGGATATGGAGTTGTACAGCTAT
GCTAAAGACCTCTTTCTGCAAAGGTATCAGTTCATGAGGCAGAAAGAACATCAGGATGCCAGGCGGAAGC
GTCAGGAGCAACGCAAATTTCTGAAGGGAAGGTTCCTTCAGACCCATTTCCAGAGTCAGAGTCAGGGTCA
GAGCCAGAGCCAGAGTCCAGGTCAGAATCTGAGTCAGAATCCAAATCCTAACCCAAATCAGAACCTGACT
CAGAACCTGAGTCACAATCTGACTCCGAGTTCAAATCCCAATTCGACCCAGAGGGAGAACCGGGGAAGTC
AGAAGCAGGGCTCAGGCCAGGGACAAGGTGATAGCGGCACCAGCAATGGCACCAATGACTACATAGGGAG
CGTAGAGACATGGCGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290467

Insert Size: 1839 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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).

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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_001290467.1, NP_001277396.1
RefSeq Size:	4672 bp
RefSeq ORF:	1839 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 (3) lacks two alternate in-frame exons, compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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