

Product datasheet for **MR230676**

Hs6st2 (NM_001290467) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230676 representing NM_001290467
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACTGCCTGCGTTTGCAGCCCGGGCGCTCGGGCCGCACTGCAACCGGAGCAAGGAGCGCCGCC
 GCACCACTGTCCCCCGCGCATTCCAGAGTAGAGGCCGAATTGGCAGCAAGCCGCCCGGTCTGTTGC
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 GGGCTGGCAGCCGTGGGCCACTCGCTCAAGCACGTGCTCAGTGCATCTTCTCAAGATTTTGGTCCC
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Protein Sequence:

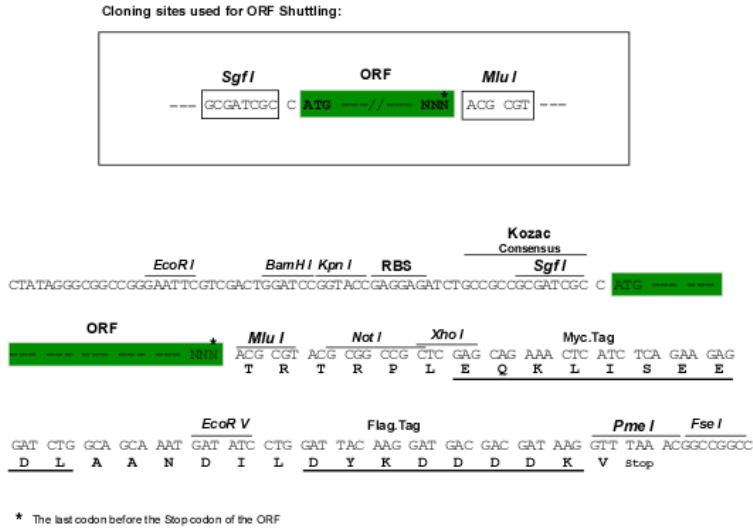
>MR230676 representing NM_001290467
 Red=Cloning site Green=Tags(s)

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 AKSNLKHMAFFGLTEFQRKTQYLFKTFNMFISPFTQYNTTRASSVEINEEIQKRIEGLNFLDMELYSY
 AKDLFLQRYQFMRQKEHQDARRKRQEQRKFLKGRFLQTHFQSQSQGSQSPGQNL SQPNPNPNQNL T
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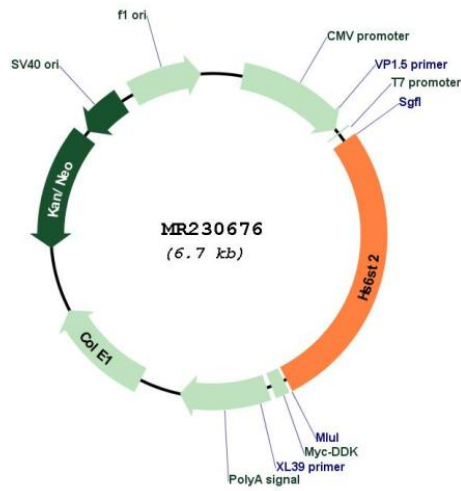
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290467

ORF Size: 1836 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001290467.1 , NP_001277396.1
RefSeq Size:	4672 bp
RefSeq ORF:	1839 bp
Locus ID:	50786
UniProt ID:	Q80UW0
Cytogenetics:	X A5
MW:	69.6 kDa
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]