

## Product datasheet for **MG207445**

### **Hs6st2 (BC063327) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hs6st2 (BC063327) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hs6st2
Synonyms:	6OST2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207445 representing BC063327  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGAGAAATCTAACAAGCTGCTGCTGGCTTTGGTATGCTCTTCTATTTGCGGTGATCGTCTCC  
 AATACGTGTGCCCGGCACAGAATGCCAGCTCCTCCGCCTGCAGGCGTTACGCTCCCGGTGCCGATCC  
 GTACCGCTCGGAGGATGAGAGTTCGGCCAGTTTGTACCCGCTACAATTCAGCCCGCGGATCTCCTG  
 CGCAAGGTAGACTTCGACATCAAGGGCGATGACCTGATCGTGTTCCTGCACATCCAGAAGACTGGGGCA  
 CCACCTTTGGCCGTACCTGGTGCACAACATCCAGCTGGAGCAGCCATGTGAGTGCCGCTGGGGCAGAA  
 GAAATGCACTTGCCACCGCCGGTAAGAGGGAGACCTGGCTCTTCTCCAGGTTCTCCACCGCTGGAGC  
 TGCGGGTGCATGCCACTGGACCGAGCTACCAGCTGCGTGCCGGCGGTGGTGGATGGCAAGCGCGACG  
 CCAGGCTGAGACCTTCCAGGAATTCATTACATTACCATCCTGAGAGACCCAGTGTACCGTACTTGAG  
 TGATGGAGGCATGTCCAGAGAGGAGCAACTTGGAAAGCATCCCTGCACGTCTGTATGGAGGCCCCCA  
 ACCTCTGAAGAGCTGCCAGCTGTACACCGGTGATGACTGGTCTGGATGCCCTCTCAAAGATTCATGG  
 ACTGTCCCTATAATCTGGCCAACAACCGCCAAGTTCGCATGCTATCTGACCTGACTCTAGTGGGATGCTA  
 CAACCTCTGTGCATGCCTGAAAAGCAAAGAAACAAAGTCCTTCTGGAAAGTGCCAAATCCAATCTGAAG  
 CACATGGCGTTCTTTGGCCTCACTGAGTTTCAGCGCAAGACCCAGTACCTGTTTGAGAAGACCTTCAACA  
 TGAACCTTATCTCGCCGTTTACCAGTATAATACCACTAGGGCCTCTAGTGTGAGATCAATGAGGAAAT  
 CAAAAGCGTATTGAGGGACTGAATTTCTGGATATGGAGTTGTACAGCTATGCTAAAGACCTCTTCTG  
 CAAAGGTATCAGTTCATGAGGCAGAAAGAACATCAGGATGCCAGGCGGAAGCGTCAAGGAGCAACGCAAT  
 TTCTGAAGGGAAGGTTCCCTTCAGACCCATTTCCAGAGTCAGAGTCAGGGTCAGAGCCAGAGCCAGAGTCC  
 AGGTGAGAACTGAGTCAGAAATCCAATCCTAACCCTAAGCAGAAATCAGAACTGACTCAGAACCTGAGTCA  
 CAATCTGACTCCGAGTTCAAATCCCAATTCGACCCAGAGGGAGAACCGGGGAAGTCAGAAGCAGGGCTCAGGCC  
 AGGGACAAGGTGATAGCGGCACCAGCAATGGCACAATGACTACATAGGGAGCGTAGAGACATGGCGC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207445 representing BC063327  
 Red=Cloning site Green=Tags(s)

MDEKSNKLLLALVMLFLFAVIVLQYVCPGTECQLLRQLAFSSPVPDPYRSEDESSARFVPRYNFSRGDLL  
 RKVDFDIKDDLIVFLHIQKTGGTTFRHLVRNIQLEQPCECRVGQKCTCHRPKRETWLSRFSTGWS  
 CGLHADWTELTSCVPAVVDGKRDLRPSRNFHYITILRDPVSRYLSEWRHVQRGATWKASLHVCDGRPP  
 TSEELPSCYTGDDWSGCPLEKFMDCPYNLANNRQVRMLSDLTLVGCYNLSVMPEKQRNKVLLLESASNK  
 HMAFFGLTEFQRKTQYLFEKTFNMNFI SPFTQYNTTRASSVEINEEIQKRIEGLNFLDMELYSYAKDLFL  
 QRYQFMRQKEHQDARRKRQEQRKFLKGRFLQTHFQSQSQSQSQSPGNLSQNPNPNPQNLTONLSHN  
 LTPSSNPNSTQRENRSQKQSGSGQGSQSGTNGTNDYIGSVETWR

**TRTRPLE** – GFP Tag – V

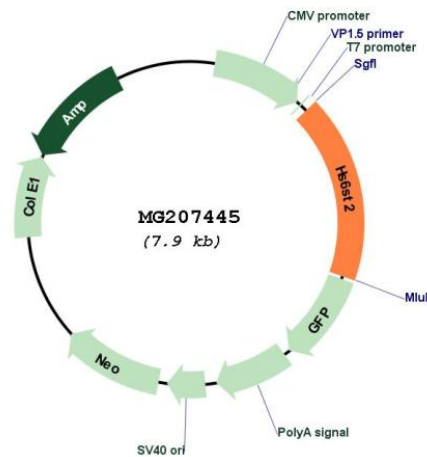
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC063327

ORF Size: 1400 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC063327</a></u> , <u><a href="#">AAH63327</a></u>
<b>RefSeq Size:</b>	3294 bp
<b>RefSeq ORF:</b>	1400 bp
<b>Locus ID:</b>	50786
<b>Cytogenetics:</b>	X A5
<b>Gene Summary:</b>	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]