OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG206292

Hs6st1 (BC052316) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st1 (BC052316) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hs6st1
Synonyms:	6OST1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG206292 representing BC052316
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTGAGCGCGCCAGCAAGTTCGTGCTGGTGGTGGCGGGCTCGGCGTGCTTCATGCTCATCCTTTACC
AGTACGCGGGCCCGGGGCTGAGTCTGGGCGCGCCCGGTGGCCGCGTGCCCCCCGACGACCTGGATCTCTT
CCCCACGCCGGACCCACATTACGAGAAAAAGTACTACTTCCCGGTGCGCGAGCTGGAGCGCTCGCTGCGC
TTCGACATGAAGGGCGACGACGTGATCGTCTTCCTGCACATCCAGAAGACCGGCGGCACCACCTTCGGCC
GCCACCTAGTGCAGAACGTGCGCCTCGAGGTGCCCTGCGACTGTCGCCCGGGCCAGAAGAAGTGCACCTG
CTATCGGCCCAATCGCCGCGAGACCTGGCTCTTCTCTCGCTTCTCCACGGGCTGGAGCTGCGGGCTGCAC
GCTGACTGGACCGAACTCACCAACTGTGTGCCCGGTGTGCTAGACCGCCGCGACCCAGCAGGTCTGCGTT
CGCCCAGAAAGTTCTACTACATCACCCTGCTGCGAGACCCCGTATCCCGCTACCTGAGTGAATGGCGACA
TGTACAGCGTGGGGCCACGTGGAAGACCTCCTTGCACATGTGTGACGGGCGCACACCGACCCCAGAGGAG
CTGCCGCCCTGCTACGAGGGCACAGACTGGTCGGGCTGCACGTTGCAGGAGTTCATGGATTGCCCCTATA
ACCTGGCTAACAACCGGCAGGTGCGCATGCTGGCCGACCTCAGCCTGGTGGGCTGCTACAACCTATCTTT
CATCCCCGAGAGCAAGCGGGCCCAGTTGCTGCTGGAGAGCGCCAAGAAGAACCTGCGAGGCATGGCCTTC
TTCGGCCTCACTGAGTTCCAGCGCAAGACGCAGTACCTATTTGAGCGGACGTTCAACCTCAAGTTCATCC
GGCCATTCATGCAATACAACAGCACGCGGGCGGGCGGTGTGGAGGTGGATGAGGACACTATCCGCCACAT
CGAGGAGCTCAACGACCTGGACATGCAGCTGTATGACTATGCCAAGGACCTCTTTCAGCAGCGTTACCAG
TACAAGAGACAGCTGGAGCGCAGGGAACAGCGCCTGCGCAATCGCGAAGAGCGCCTCCTGCACCGCTCCA
AGGAAGCGCTGCCACGGGAGGACCCAGAAGAGCCGGGCCGTGTGCCCACCGAGGACTACATGAGCCATAT
CATTGAGAAGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

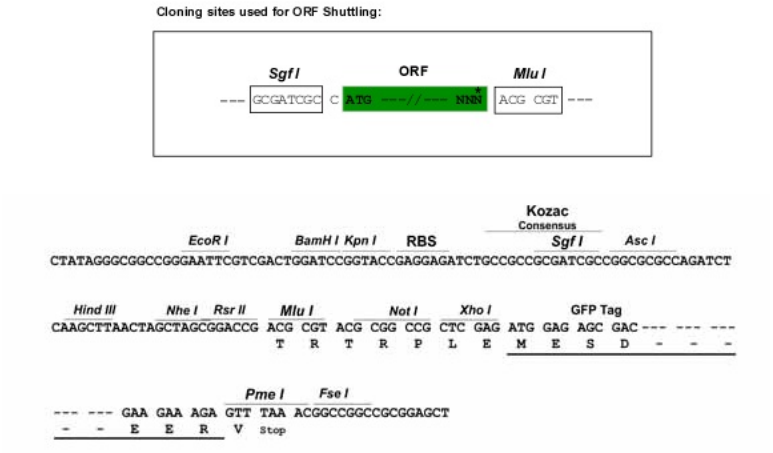
>MG206292 representing BC052316
Red=Cloning site Green=Tags(s)

MVERASKFVLVVAGSACFMLILYQYAGPGLSLGAPGGRVPPDDLDLFPTPDPHYEKKYYFPVRELERSLR
FDMKGDDVIVFLHIQKTGGTTFGRHLVQNVRLEVPCDCRPGQKKCTCYRPNRRETWLFSRFSTGWSCGLH
ADWTELTNCVPGVLDRRDPAGLRSPRKFYYITLLRDPVSRYLSEWRHVQRGATWKTSLHMCDGRTPTPEE
LPPCYEGTDWSGCTLQEFMDCPYNLANNRQVRMLADLSLVGCYNLSFIPESKRAQLLLESAKKNLRGMAF
FGLTEFQRKTQYLFERTFNLKFIRPFMQYNSTRAGGVEVDEDTIRHIEELNDLDMQLYDYAKDLFQQRYQ
YKRQLERREQRLRNREERLLHRSKEALPREDPEEPGRVPTEDYMSHIIEKW

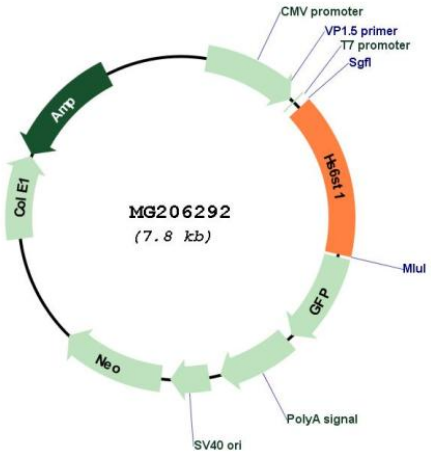
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC052316

ORF Size:	1205 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:	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:	BC052316, AAH52316
RefSeq Size:	3780 bp
RefSeq ORF:	1205 bp
Locus ID:	50785
Cytogenetics:	1 B
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. Critical for normal neuronal development where it may play a role in neuron branching. May also play a role in limb development. May prefer iduronic acid. [UniProtKB/Swiss-Prot Function]