

Product datasheet for **MR207445**

Hs6st2 (NM_015819) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Hs6st2 (NM_015819) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Hs6st2 |
| Synonyms: | 6OST2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR207445 representing NM_015819
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGAGAAATCTAACAAGCTGCTGCTGGCTTTGGTATGCTCTTCTATTTGCGGTGATCGTCTCC
 AATACGTGTGCCCGGCACAGAATGCCAGCTCCTCCGCCTGCAGGCGTTACGCTCCCGGTGCCGATCC
 GTACCGCTCGGAGGATGAGAGTTCGGCCAGTTTGTACCCGCTACAATTCAGCCCGCGGATCTCCTG
 CGCAAGGTAGACTTCGACATCAAGGGCGATGACCTGATCGTGTTCCTGCACATCCAGAAGACTGGGGCA
 CCACCTTTGGCCGTACCTGGTGCACAACATCCAGCTGGAGCAGCCATGTGAGTGCCGCGTGGGGCAGAA
 GAAATGCACTTGCCACCGGCCGGTAAGAGGGAGACCTGGCTCTTCTCCAGGTTCTCCACCGCTGGAGC
 TGCGGGCTGCATGCCACTGGACCGAGCTACCAGCTGCGTGCCGCGGTGGTGGATGGCAAGCGCGACG
 CCAGGCTGAGACCTTCCAGGAATTCATTACATTACCATCCTGAGAGACCCAGTGTACCGTACTTGAG
 TGATGGAGGCATGTCCAGAGAGGAGCAACTTGGAAAGCATCCCTGCACGTCTGTGATGGAAGGCCCCCA
 ACCTCTGAAGAGCTGCCAGCTGTACACCGGTGATGACTGGTCTGGATGCCCTCTCAAAGATTCATGG
 ACTGTCCCTATAATCTGGCCAACAACCGCCAAGTTCGCATGCTATCTGACCTGACTCTAGTGGGATGCTA
 CAACCTCTGTGCATGCCTGAAAAGCAAAGAAACAAAGTCTTCTGGAAAGTGCCAAATCCAATCTGAAG
 CACATGGCGTTCTTTGGCCTCACTGAGTTTCAGCGCAAGACCCAGTACCTGTTTGAGAAGACCTTCAACA
 TGAACCTTATCTCGCCGTTTACCAGTATAATACCACTAGGGCCTCTAGTGTGAGATCAATGAGGAAAT
 CAAAAGCGTATTGAGGGACTGAATTTCTGGATATGGAGTTGTACAGCTATGCTAAAGACCTCTTCTG
 CAAAGGTATCAGTTCATGAGGCAGAAAGAACATCAGGATGCCAGGCGGAAGCGTCAAGGCAACGCAAT
 TTCTGAAGGGAAGGTTCCCTTCCAGCCATTTCCAGAGTCAGAGTCAGGGTCAGAGCCAGAGCCAGAGTCC
 AGGTGAGAACTGAGTCAGAAATCCAAATCCTAACCCAAATCAGAACCTGACTCAGAACCTGAGTCACAAT
 CTGACTCCGAGTTCAAATCCCAATTCGACCCAGAGGGAGAACCGGGGAAGTCAGAAGCAGGGCTCAGGCC
 AGGGACAAGTGATAGCGGCACCAGCAATGGCACAATGACTACATAGGGAGCGTAGAGACATGGCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207445 representing NM_015819
 Red=Cloning site Green=Tags(s)

MDEKSNKLLLLVMLFLFAVIVLQYVCPGTECQLLRQLQAFSSPVPDPYRSEDESSARFVPRYNFSRGDLL
 RKVDFDIKGDLLIVFLHIQKTGGTTFRHLVRNIQLEQPCECRVGGQKCTCHRPKRETWLF SRFSTGWS
 CGLHADWTELTSCVPAVVDGKRDLRPSRNFHYITILRDPVSRYLSEWRHVQRGATWKASLHVCDGRPP
 TSEELPSCYTGDDWSGCPLKEFMDCPYNLANNRQVRMLSDLTLVGCYNLSVMPEKQRNKVLLLESAKSNLK
 HMAFFGLTEFQRKTQYLFEKTFNMNFISPFTQYNTTRASSVEINEEIQRIEGLNFLDMELYSYAKDLFL
 QRYQFMRQKEHQDARRKREQRFLKGRFLQTHFQSQSQQSQQSPGQNL SQNPNPNPNQNL TQNL SHN
 LTPSSNPSTQRENRSQKQSGSQGQSGTSGTNGTNDYIGSVETWR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9027_f06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_015819

ORF Size: 1398 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: [NM_015819.4](#), [NP_056634.3](#)

RefSeq Size: 4313 bp

RefSeq ORF: 1401 bp

Locus ID: 50786

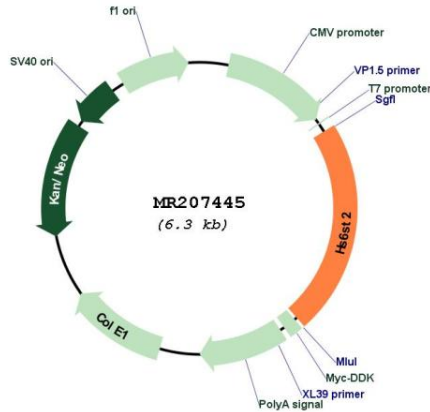
UniProt ID: [Q80UW0](#)

Cytogenetics: X A5

MW: 54.2 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]

Product images:



Circular map for MR207445