

Product datasheet for **MR217272**

Hs6st3 (NM_015820) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs6st3 (NM_015820) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hs6st3
Synonyms:	6OST3; HS6ST-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217272 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATGAAAGGTTCAACAAGTGGCTGCTGACGCCGGTCTCACTCTCTTCTCGTGGTCATCATGTACC
 AGTACGTGTCCCCTTCTGCACCAGCTCATGCACCAACTTCGGGGAGCAGCTCCGCTCCGGGAGGCCCG
 CCCGCCGCTGTCCCGAGTCTGCCGACGGGACAAGCACCCCTTGATGAGTGGAGCGCGGCCCCAG
 CTGCCACCGCCACCCCGGGACCGCCGAGGGTCTCGTGGGTGCGGGCTCCCGAGGATGAGGATGAGG
 ATCCGGGGACCCGGAGGAGGAGGAGGAGGAAGAAGAGGAGGAGCCGACCCCGAGGCGCCGAAAAACGG
 CTCCCTGCCCGGTTCTGCTCGATTCAACTCACCTCAAGGACCTGACCCGCTTCGTGGACTTCAAC
 ATCAAAGGGCGGGATGTGATCGTTCCTGCACATCCAGAAGACCGGGGGACCACGTTCCGCCGGCACC
 TGGTGAAGAACATTCGTCTGGAGCAGCCATGCAGCTGCAAAGCTGGCCAGAAAAAGTGCACCTGCCACCG
 GCCGGCAAGAAGGAGACCTGGCTTTCTCCCGCTTCTCCACCGCTGGAGCTGCGGGCTGCATGCCGAC
 TGGACCGAGCTACCAACTGCGTGCCGGCCATCATGGAGAAGAAGGATTGCCCCGAACCACAGCCACA
 CCAGGAATTTCTACTACATCACGATGTTGCGGGACCCAGTGTACGTTACCTGAGCGAATGGAAGCATGT
 CCAGAGAGGGGCCACATGGAAAACCTCTCTCCATATGTGCGACGGAAGGAGCCCCACACCAGATGAGCTG
 CCTACCTGCTATCCTGGGGATGACTGGTCTGGGTGAGCTTGGGGAGTTCATGGATTGTAGCTACAACC
 TGGCAACAACCGCAAGTGCAGTCTGGCCGACCTCAGCCTGGTGGGTGCTACAACCTGACTTTTCAT
 GAATGAGAGCGAGCGGAACCATCCTGCTGCAGAGCGTAAGAACAATCTGAAGAATATGGCCTCTTT
 GGGCTCACTGAATCCAGAGGAAGACACAGTTTCTCTTTGAGAGGACATTCAACCTGAAGTTCATCTCTC
 TTTTACACAGTTCAACATCACACGGGCATCCAACGTGGACATCAATGATGGAGCCCGTACGACATCGA
 GGAGTTGAATTTCTGGACATGCAGCTTTATGAGTATGCGAAGGATCTCTTCCAGCAACGCTACCATCAC
 ACCAAACAGCTAGAGCACAGAGGGACCGCCAAAAGAGGCGGAGGAGCGGAGGCTGCAGCGAGAGCACA
 GAGCACACCGGTGGCCAAAAGAGGATAGGGCCATGGAGGGGACTGCTCACTGAGGACTACAACAGCCAAGT
 GGTGAGATGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217272 protein sequence
 Red=Cloning site Green=Tags(s)

MDERFNKWLTPVLTLLFVIMYQYVSPSCTSSCTNFGEQLRSGEARPPAVPSPARRAQAPLDEWERRPQ
 LPPPPRGPPEGRGVAAPEDDEDGDPPEEEEEEEEEEPDPEAPENGLPRFVPRFNFTLKDLTRFVDFN
 IKGRDIVIFLHIQKTGGTTFRHLVKNIRLEQPCSCAGQKCTCHRPKKTWLF SRFSTGWSCGLHAD
 WTEL TNCVPAIMEKKDCPRNHSHTRNFYYITMLRDPVSRYLSEWKHVQRGATWKTSLHMC DGRSPTDEL
 PTCYPGDDWSGVS LREFMDCSYNLANNRQVRMLADLSLVGCYNLTFMNE SERNTILLQSAKNLKNMAFF
 GLTEFQRKTQFLFERTFNLFKISPFTQFNITRASNVDINDGARQHIEELNFLDMQLYEYAKDLFQQRYHH
 TKLEHQDRQRREERRLQREHRAHRWPKEDRAMEGTVTEDYNSQVVRW

TRTRPLEQ**KL**I**SEEDLA**ND**ILDYK**DDDD**KV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_015820

ORF Size: 1413 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_015820.1](#), [NM_015820.2](#), [NM_015820.3](#), [NP_056635.2](#)
RefSeq Size: 1784 bp

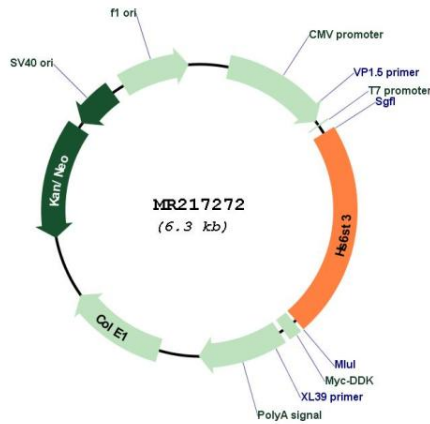
RefSeq ORF: 1413 bp

Locus ID: 50787

UniProt ID: [Q9QYK4](#)

Cytogenetics: 14 E4
MW: 55 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 MR217272