

Product datasheet for **RR206975**

Hs3st2 (NM_181370) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs3st2 (NM_181370) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hs3st2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206975 representing NM_181370 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTATAGGGTCTGGGCCGCGGGGCCACCTCAGCCGCGGAGAGCGCGCAGGCTGCTCTTCGCCT
TCACACTGTCCTGTCTGCACTTACCTGTGTTACAGTTCCTGTGCTGCTGCGACGGTCTGGGCCAGAG
CCGCCTGCTCGGCGCGCCGCGCTGCCTCCGCGGCCAGCGCAAGCGGCCAGAACTTCTGGCGAAGTCC
CGCCCGTGTGATCCCCGGGGCCGACGCCAGTGAGCCAGCGCTCCAGCGCGCCCGCGCTGCCGCGC
CAGCACCGCGCCTCTCCGGATCCAACCACTCTGGCTCCCCGAAGCCAGGCACCAAACGGTGCSSCAAG
CCTCATTGTGGCGTTAAGAAAGGTGGTACCCGAGCAGTGTGGAGTTTATCCGAGTGCACCCGGACGTT
CGAGCCCTGGGCACCGAGCCCACTTCTTCGACAGGAATTACGGCCGAGGGCTGGACTGGTACAGGAGCC
TGATGCCGAGGACCTTGAGACCCAGATCACACTGGAGAAGACGCCTAGCTACTTCGTCACTCAAGAAGC
CCCTCGGAGGATCTCAACATGTCTCGAGACCAAGCTGATAGTGGTGGTGCAGAACCCGGTGACCCGA
GCCATCTCTGACTACACGCAGACGCTTCCAAGAAGCCGGACATCCACCTTCGAGGGCTTGTCTTCC
GCAACCGCAGCCTGGCCTGGTGGATGTGTCTTGAACGCCATCCGCATCGGCATGTACGCACTGCACCT
GGAGAGCTGGCTCCGGTACTTCCGCTGGCCAGATCCACTTCGTCAGTGGTGGAGCGCTCATCACCGAC
CCAGCTGGTGGATGGGGCGATTCCAGGACTTCTGGGCATCAAGAGATTCATCACAGACAAGCACTTCT
ACTTCAACAAGACCAAAGGATTCCCTTGCTTGAAGAAACCAAGTCAACCCTCCTGCCTCGATGCCTGGG
CAAATCAAAGGGAGAATCATGTACAGATCGACCCTGAAGTTATAGACCAGCTCCGGGAATTTATAGA
CCTTATAATATTAATTTATGAAACTGTTGGGCAGGACTTCCGGTGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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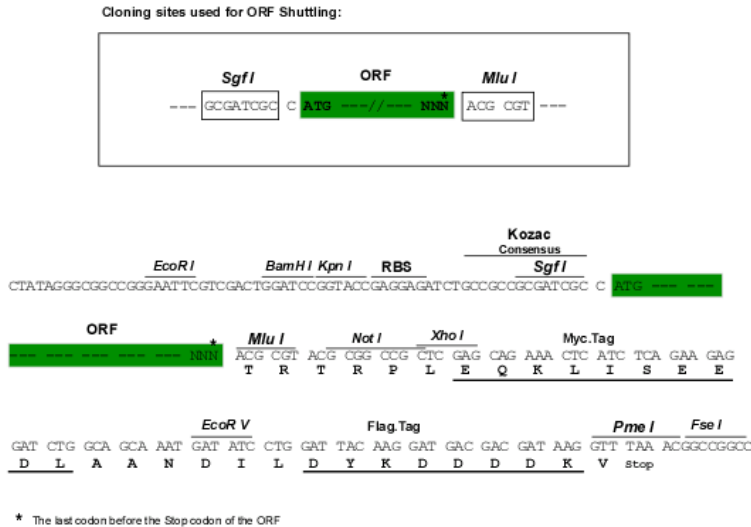
Protein Sequence: >RR206975 representing NM_181370
Red=Cloning site Green=Tags(s)

MAYRVLGRAGPPQPRRARRLLFAFTLSLCTYLCSYFLCCCDGLGQSRLLGAPRCLRGPSASGQKLLAKS
 RPCDPPGPTPSEPSAPSAPAAAAAPARLSGNSHSGSPKPGTKRLPQALIVGVKKGTRAVLEFIRVHPDV
 RALGTEPHFFDRNYGRGLDWYRSLMPRTLETQITLEKTPSYFVTQEAPRRIFNMSRDTKLI VVVRNPVTR
 AISDYTQTL SKKPDIPTFEGLSFRNRSGLVDVSWNAIRIGMYALHLESWLRYFPLAQIHFVSGERLITD
 PAGEMGRIQDFLGIKRFITDKHFYFNKTKGFPLCKKPESTLLPRCLGKSKGRTHVQIDPEVIDQLREFYR
 PYNIKFYETVGGQDFRWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181370

ORF Size: 1101 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_181370.2](#), [NP_852035.1](#)

RefSeq Size: 2292 bp

RefSeq ORF: 1104 bp

Locus ID: 293451

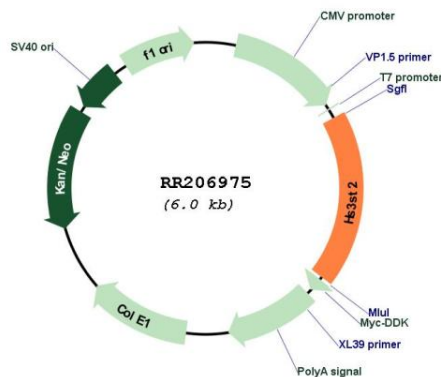
UniProt ID: [Q80W66](#)

Cytogenetics: 1q36

MW: 41.4 kDa

Gene Summary: catalyzes the transfer of sulfate groups onto the 3-OH site of glucosamine groups in heparan sulfate proteoglycans [RGD, Feb 2006]

Product images:



Circular map for RR206975