

## Product datasheet for RR211570

### Hs3st6 (NM\_001109450) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hs3st6 (NM_001109450) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hs3st6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR211570 representing NM_001109450 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGGTAGCAGTGTCTGGGCGGGGGCCGGGGACCTCCAGGGCGTAGGGACGGGCCAGGGGACTG  
CACTGCGTGCTCCCCGTGCTCTGCTGGCGCTCACAGCTCTGTTGCTAAGCGCCTACTGCCTCTTTGCCCT  
CCCCGGCCGTGTCCACCTGCCGCCCGCGCCCTGCTCCGGTCCCGCACCAGCCGAGCCGCCCAAGCC  
TCCCGCCGTCTGGGAGCGCCCGCCTGCCGTTGCCAGCGGCCGGGGCGCCGGCGCTTCCCCAGGCGC  
TCATCGTGGGCGTGAAGAAAGGCGGCACGCGCGCTTCTGGAGTTCTGCGCTTGACCCCCGAGTCCG  
TGCACTTGGCTCTGAACCCACTTCTTCGACAGGTGCTATGATCGCGCCCTCGCCTGGTACCGGGTCTG  
ATGCCACGTACCCTGGATGGGCAGATCACCATGGAGAAGACCCCCAGCTACTTTGTGACTCAGGAGGCTC  
CCCGCCGAATCCATGATATGTCCCAGACACCAAGCTGATTGTGGTGGTGCGAACCCTGTGACCCGGGC  
CATCTCTGATTATGCACAGACACTCTCAAGACCCAGGTTTGGCCAGCTTCCGTGCCCTGGCCTCCGC  
CACGGCCTGGGTCCCGTGGACACGGCCTGGAGCGCTGTACGCATTGGCCTCTACGCTCAGCACTGGACA  
ACTGGCTACGCTACTTCCCTCTGTCCACTTCTGTTTGAAGCGGTGAGCGCCTGGTCAGTGATCCAGC  
TGGCGAAGTGGCCGTGTACAGGACTTTTGGGTCTCAAACGGGTTGCTACTGACAAACACTTCTACTTC  
AATGCTACCAAGGCTTCCCCTGCCTCAAAAAGGCCAGGGTAGTGGGCGCCCCGATGCTGGGTAAT  
CCAAGGGCCGGCCTACCCCGAGTGCCGAGGCTGTGGTTACAGCGCCTGCAGGCTTTCTACCGGCCCT  
CAACCGCAAGTTCTACCAGATGACTGGCCAGGACTTTGGCTGGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211570 representing NM\_001109450  
 Red=Cloning site Green=Tags(s)

MAGSSVLGGGAGDLQGVGTGQGTALRAPRALLALTALLLSAYCLFALPGRCPAARAPAPVPAPAEPQQA  
 SRRLGAPGLPVASGPGRRRFPQALIVGVKGGTRALLEFLRLHPDVRLGSEPHFFDRCYDRGLAWYRGL  
 MPRTLDDGQITMEKTPSYFVTQEAPRRIHDMSPDTKLI VVVRNPVTRAI SDYAQTL SKTPGLPSFRALAFR  
 HGLGPVDTAWSAVRIGLYAQHLDNWLRYPFLSHFLFVSGERLVS DPAGEVGRVQDFLGLKRVVTDKHFYF  
 NATKGFPLKKAQSGRPRCLGKSKGRPHRPVPEAVVQRLQAFYRPFNRKFYQMTGQDFGWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001109450

**ORF Size:** 1026 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\\_001109450.1](#), [NP\\_001102920.1](#)

**RefSeq Size:** 1231 bp

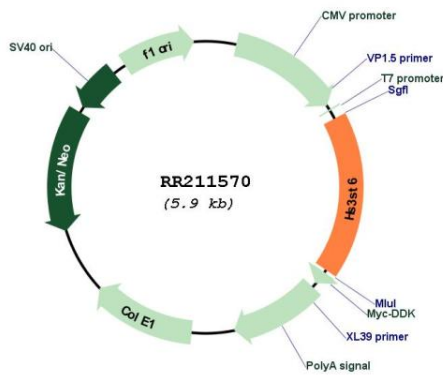
**RefSeq ORF:** 1029 bp

**Locus ID:** 684979

**Cytogenetics:** 10q12

**MW:** 37.5 kDa

**Product images:**



Circular map for RR211570