

Product datasheet for **RN214447**

Hs3st1 (NM_053391) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hs3st1 (NM_053391) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hs3st1
Synonyms:	3OST-I
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214447 representing NM_053391 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCTTGCTGCTCCTGGGTGCGGTGCTGCTGGTGGCCAGCCCAGCTCGTGCCTTCCCACCCGGCTG
CTCCTGGCCCGGACTCAAACAGCAGGGCTTCTGAGGAAGGTGATTATTCTCCCGGAGGACTGGAGA
AGGTGCAGCCACCAATGGTTCCACCCAGCAGCTGCCACAGACTATCATCATTGGAGTACGCAAGGGTGGT
ACCCGAGCCCTGCTGGAGATGCTCAGCCTGCATCCTGATGTTGCGGCAGCTGAAAACGAGGTCCATTCT
TTGACTGGGAGGAACATTATAGCCAAGGCTGGGCTGGTACCTCACCCAGATGCCCTTCTCTCCCCACA
CCAGCTCACGGTAGAGAAGACACCTGCCTACTTCACTTCGCCAAAGTGCCTGAGAGAATCCACAGCATG
AACCTACTATCCGCCTGCTGCTCATCCTGAGGGACCCATCCGAACGTGTGCTATCCGACTACACCCAGG
TGTTGTACAACCACCTTCAGAAGCACAACCTTACCCACCCATTGAGGACCTCCTAATGCGGGACGGACG
GCTCAACGTGGACTACAAGGCTCTCAACCGCAGCCTGTACCATGCACACATGCTGAACTGGCTGCGTTTT
TCCCCTGGGCCACATCCACATCGTGGATGGCGACCGTTTCATCAGAGACCCCTTCCCTGAGATCCAGA
AAGTCGAAAGGTTCCCTCAAGCTGTCTCCACAGATCAACGCCTCGAACTTCTACTTTAACAAAACCAAGGG
CTTCTACTGCCTGCGGGACAGTGGCAAGGACCGCTGTTACATGAGTCCAAGGCCGGCGCACCCCTCAA
GTAGATCCCAAATACTTGATAAACTGCACGAATATTTTCGTGAGCCAAATAAGAAATTTTTCAAGCTCG
TGGGCAGAACATTCGACTGGCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053391
Insert Size:	936 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_053391.1 , NP_445843.1
RefSeq Size:	936 bp
RefSeq ORF:	936 bp
Locus ID:	84406
UniProt ID:	Q9ESG5
Cytogenetics:	14q21
Gene Summary:	plays a role in heparan sulfate synthesis in alveolar type II cells [RGD, Feb 2006]