

Product datasheet for **SC207108**

HS3ST3B1 (NM_006041) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HS3ST3B1 (NM_006041) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HS3ST3B1
Synonyms:	3-OST-3B; 3OST3B1; h3-OST-3B
ACCN:	NM_006041
Insert Size:	2000 bp



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Insert Sequence: >SC207108 3'UTR clone of NM_006041
 The sequence shown below is from the reference sequence of NM_006041. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGACCGGGCACGACTTTGGCTGGGATGAGCAGACCCGGGCTATGTACCTTACCCACGTGGCTTATCT
ATTGACAGAGATTATATGTATGTAAAATGTACAGAAATCTATTTTATAATAATTTATTTTAAATTCATA
AGCAATTAATTCATAAGCTGCCTAGCCACACTCTTAGAGAGTTAGCTTATAATCTGTAAACATTCC
AAAGTGTTAACTCTAGTATTTCTGTTCTTCTTCCAAATTGATGGTGCTTCTATTTTTTCTTCCCC
TACCTGTATATTTAAACAAAAGAAAAGCACAACCTGAGATTTTTGTTGTACGGGTATTCAGCCTTCA
GTCACCGTCTGAGTTCTCCAGTTGCTGCCTCCTTGTCTTGTCTTGGGTCTCCATTCCAGCTTCCCTGT
CTCTTCTGCCTGTGTACCTCGTAGGAACGCTGAGCTGCCTCAACAGGGTGTATTCTGAAGGGCAGGC
CTCATGCAGCAGCTCCTTGCAGATGTGGTGTCCCGTCCAATGATGTAGCCTGAAAGCCACAGCCCTAG
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CAAGTATCTGGGATTACAGGCATGCACCACCATGCCTGGCTAATTTTGTATTTTATAGTAGAGACGGGGT
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ACCAGTTTGAAGTGTATGTAGATTGTTGCCCGCTTTTCCAGGTACATGTGTGAGATGCCTGGGTGC
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CAGTTCTGCTTTGACACACCAAAGAATCCCGTAGGCTAGCAGAGCCACCAGCACAAACCAAGGGCGCTG
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AGAATTATCTTAGAGTGATAATATGGGTGGTAGCCAGTGGCCAAACAGCAAGAACTAAGAGTGGCCC
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TGTCCTTGTTTTAGCCAGTCTTACAGAAAGGTTACCAGCACTGTCACTGCTCTACAGAAATGCTCTC
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TGTGGGAAGATATACATATTGTCAAAATGGTTGGGATGGGATAGTTACAAAGGACTTTTGTATGTTG
TATGGGATCACTTGCCTGATAGTATAAGGAACATTGTATGAAAAGATGAAAAGATACTTCATTTTTAG
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_006041.3](#)

Summary:	The protein encoded by this gene is a type II integral membrane protein that belongs to the 3-O-sulfotransferases family. These proteins catalyze the addition of sulfate groups at the 3-OH position of glucosamine in heparan sulfate. The substrate specificity of individual members of the family is based on prior modification of the heparan sulfate chain, thus allowing different members of the family to generate binding sites for different proteins on the same heparan sulfate chain. Following treatment with a histone deacetylase inhibitor, expression of this gene is activated in a pancreatic cell line. The increased expression results in promotion of the epithelial-mesenchymal transition. In addition, the modification catalyzed by this protein allows herpes simplex virus membrane fusion and penetration. A very closely related homolog with an almost identical sulfotransferase domain maps less than 1 Mb away. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Locus ID:	9953
MW:	74.8