

Product datasheet for **SC207077**

HS3ST3A1 (NM_006042) Human 3' UTR Clone

Product data:

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| Product Type: | 3' UTR Clones |
| Product Name: | HS3ST3A1 (NM_006042) Human 3' UTR Clone |
| Vector: | pMirTarget (PS100062) |
| Symbol: | HS3ST3A1 |
| Synonyms: | 3-OST-3A; 3OST3A1 |
| ACCN: | NM_006042 |
| Insert Size: | 2000 bp |



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Insert Sequence: >SC207077 3'UTR clone of NM_006042
 The sequence shown below is from the reference sequence of NM_006042. 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
ACCGGGCACGACTTTGGCTGGGATGGATAACCATATAATTTAAAAAGAAAAAAAAAATCAAATATAAT
ATATTTTTTTACCAATCGGTAGAGAAGAGACAGTTTAATATTTGTGCTGAAAATATGTTTCAGTATTTT
TTTCAATGAATGTTAAGAGATTGTTCTCACTCCCGCCCATCTTAATGTATAACCAACACCAACACGT
GGATCAACAGAAAAGGAAAATTTCACTCGTCTAAACACTTTCAATTTTTCAGTTTTATTTTATGTCTA
TATACCCAGTCATAAAGTATAAGCATCAGTTGTCATTAAGTTTTCAGAAAATCTTGAGGTTAAACAT
CTCTCTCTTTTTTTAAAATACAAGGCCCTGATAAAATTGATATCTATCCTTATATTTTTCTCCCTTT
TTCCCGTGCCACTTTTTCTAAATATTTCCAGTTAGTATTATCATATGTTTGTACCCGTCACAGTTT
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ATGTATCTAAAGGTCAAATGTTGGATGGACCCTGGACAAAATTCATCTTCCACTTGTTCCCTATTTCA
TGTCACTTTTTCCAGGGAGAATGGAAAAGAAGACATCTGCACCTTTAGAAATGGTTAGGTAGTTTTCAG
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TCATTACATAGTTGTGTCCAAGAAAACCACTGAGACCTGGACACAACCTCTTAAAGAGCCAGTCTTGC
CTCTTGGCTATTTAAAGTACACTGAGATATGGAATCTTGACTGATGAATGCTTGATTGAATTGGAGAG
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AACGTAACCTTACCCATTTGTTGATTTAATTGACTTTAAAAAAAAAAAAAGAAACAGATTTCAATTAGCAC
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TTATTTTTCATGGATGGAGGACTATCATTTTGTCACTTTATTCCCCCTCCCACTTCTATTTATACCA
TTTATAACCTAATGTTTCAGTAATATTTGGAAAAATATTCTAGGAAATGCATTTGTGGGTAATAATGGTGG
CTTTTCTCTCTCTCGTCTGTTTCTGCCCATCCCCATTTAAATCACTCAAATAAATCAATAGTTTAT
TAACAGTATTCCTTCTCTCTGAGTGGGTATTAACAAGATTAGCATTAAATGGGAATTAATTTGGTTTA
GAGAGGAACACATATGCACGAAATATATAAAACATTTATAAATTAGCCTGCAGCAACATTTTATTAGAA
ATTTAAACCCAAGAGGAAAAATGCTTCTATTTTATGGAAGTTTCTTTTCTGCCAAAATTTAAACGA
CCAGACACTCTAAAATAATATTCTTTTTCTTTAATGTTGTCAATCAAAGAAAACCTAAAGTTGTTTT
AAAATATGCAGTACAATTGTACATTTACCATAGCTGCTGCATTAGGTGATGTAATATTTCTTGAGAAG
CTTAACACAGGATTAATAAGGAAAAAATATTTAAGTGTAGATATTTTGTCACTGCTCCAAATCT
TTGGATTTATCTGTTAATATCCCATTTATAGAAGTTAAGTAAACCCCAATCCAGGTCACCTTTTTTCA
GTTGATTTCTTCATGTCTATGTCTCAATTTCCAGTGCCACAGACTGTTTTATTCTACTTGAATC
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_006042.3](#)

Summary: Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3B1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta. [provided by RefSeq, Dec 2014]

Locus ID: 9955

MW: 78.6