

Product datasheet for **SC303723**

HS3ST4 (NM_006040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HS3ST4 (NM_006040) Human Untagged Clone
Tag:	Tag Free
Symbol:	HS3ST4
Synonyms:	3-OST-4; 3OST4; 30ST4; h3-OST-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303723 representing NM_006040. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCCCGGTGGCCCGCACCTCCTCCGCCTCCGCCTCCACCTCTGGCCGCGCCGCCGCCGCC
 GGCGCCTCTGCTAAGGGCCGCCGGCGCAAGCTGCTTTTATGTGCACCTGTCCCTGTCTGTCAAC
 TACCTGTGCTACAGCCTCCTGGGCGCTCGGGCTCCCTGCAATCCCTCTGGCGTGCAGGAGTCGCCG
 GGCGCCGCCGCCGAGCCCCGCCGAGCCGCCGCCACCCTCTCTGCTGCCTACCCCGTGCCTCGGC
 GCCCCCTCGCAGCCGCCCGCGCCGCCGCTGGACAACGCGAGCCACGGGGAGCCGCCGAGCCCCA
 GAGCAGCCAGCCGCCCGGGACCGACGGCTGGGGGCTGCCGAGCGCGCGGAGCGCCAGGACGCC
 TGGCTCCGGACCCCGCTGGCCCCAGCGAGATGATCACGGCTCAGAGCGCGCTGCCGAGAGGGAAGCG
 CAGGAGTCCAGCACCACCGACGAGGATCTCGCAGGCCGAGAGCGGCCAACGGGAGCAGCGAGAGGGC
 GGCGCCGTGAGCACCCTCGACTATGGGGAAGAAGCTGCCACAGGCGCTCATCATCGGGGTCAAGAAA
 GGAGGGACCCGCGCGTCTGGAGGCGATCCGCGTGCACCCGACGTGCGGGCGGTGGGCGTAGAGCCG
 CACTTCTTCGACAGGAATACGAAAAGGGTTGGAGTGGTACAGAAATGTGATGCCCAAGACTTTGGAT
 GGGCAAATAACCATGGAGAAGACTCCAAGTTACTTTGTGACAAATGAGGCTCCCAAGCGCATTCACTCC
 ATGGCCAAGGACATCAAACGATTTGTGGTGGTGAAGAACCCGTGACCAAGGCCATCTCTGACTACAG
 CAGACTGTCAAAGAAACCCGAGATCCCCACCTTTGAGGTGCTGGCCTTCAAAAACCGACCCCTCGG
 CTGATCGATGCTTCTGGAGTGCCATTGGAATAGGGATCTATGCGCTGCATCTGGAAAACCTGGCTCCAG
 TATTTCCCTCTCCAGATCCTCTTTGTGAGTGGTGAAGGACTCATTGTGGACCCCGCCGGGAAATG
 GCCAAAGTACAGGATTTTCTAGGCCTCAAACGTGTTGTGACTGAGAAGCATTTCTATTTCAACAAAACC
 AAGGGTTCCCTTGCTAAAGAAGCCAGAAGACAGCAGTGCCCCGAGGTGCTTAGCAAGAGCAAAGGT
 CGGACTCATCCTCGATTGACCCAGATGTATCCACAGACTGAGGAAATCTACAAACCTTCAACTTG
 ATGTTTTACCAATGACTGGTCAAGATTTTCAGTGGGAACAGGAAGGGTGATAA**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_006040
Insert Size:	1371 bp
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_006040.2</u>
RefSeq Size:	3203 bp
RefSeq ORF:	1371 bp
Locus ID:	9951
UniProt ID:	<u>Q9Y661</u>
Cytogenetics:	16p12.1
MW:	49.8 kDa
Gene Summary:	This gene encodes the enzyme heparan sulfate D-glucosaminyl 3-O-sulfotransferase 4. This enzyme generates 3-O-sulfated glucosaminyl residues in heparan sulfate. Cell surface heparan sulfate is used as a receptor by herpes simplex virus type 1 (HSV-1), and expression of this gene is thought to play a role in HSV-1 pathogenesis. [provided by RefSeq, Jul 2008]