

## Product datasheet for **SC323053**

### CHST8 (NM\_001127896) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHST8 (NM_001127896) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST8
Synonyms:	GalNAc4ST; GALNAC4ST1; PSS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323053 representing NM_001127896. Blue=Insert sequence Red=Cloning site Green=Tag(s)

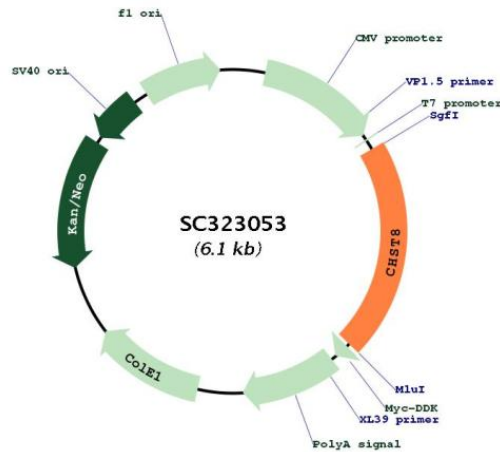
```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCTGCGACCTGGAACAATGCGGCTGGCCTGCATGTTCTCTCCATCCTGCTGTTCCGGAGCTGCA
GGCCTCCTCCTTTCATCAGCCTGCAGGACCCTACGGAGCTCGCCCCCAGCAGGTGCCAGGAATAAAG
TTCAACATCAGGCCAAGGCAGCCCCACCAGCCTCCACCAGGCGGCTCCAGGATGGTGAAG
GAACCCACAGAGGGTCACTCGGGACTTATCCAGTGGGGCCCCAGGGGCCGAACCTGCCAGCGCCT
GACCAGCCTCAACCCCGCTGCAGAGGGGAACCCGTCTGCGGCTCCGCCAGCGCCGTCGCCGTCTGCTC
ATCAAGAAAATGCCAGCTGCGGGACCATCCCGCCAACAGCTCGGACGCGCCCTTCATCCGGCCGGGA
CCCGGGACGCTGGATGGCCGCTGGGTGAGCCTGCACCGGAGCCAGCAGGAGCGCAAGCGGGTGTGCAG
GAGGCCTGCGCCAAGTACCGGGCGAGCAGCAGCCGCCGGCCGTCACGCCCCGCCAGTGTCCCGTATC
TTCGTGGAGGACCGCCACCGCTGCTCTACTGCGAGGTGCCAAGGCCGGCTGCTCCAATTGGAAGCGG
GTGCTCATGGTGTGGCCGGCTGGCCTCGTCCACTGCCGACATCCAGCACAAACCGTCCACTATGGC
AGCGCTCTCAAGCGCCTGGACACCTTCGACCGCCAGGGTATCTTGACCGTCTCAGCACCTACCCAAG
ATGCTCTTTGTCGCGAGCCCTTCGAGAGGCTGGTGTCCGCTCCGCGACAAGTTTGAGACCCCAAC
AGCTACTATACCCGGTCTTCGGCAAGGCCATCCTGGCCCGGTACCGCGCAATGCCTCTCGGGAGGCC
CTGCGGACCGGCTCTGGGGTGCCTTTCCCGAGTTCGTCAGTTCGTCAGTGCACCGCCCTGCCTCATCGACTACGATTTGTA
GGATGGACATTCAGTGGACCATGTGAGCCGGCTCTGCAGCCCTGCCTCATCGACTACGATTTGTA
GGCAAGTTCGAGAGCATGGAGGACGATGCCAATCTTCTGAGCCTCATCCGCGCGCCGCGGAACCTG
ACCTTCCCGGTTCAAGGACCGGCACTCGCAGGAGGCGCGGACCACAGCGAGGATCGCCACCAGTAC
TTCGCCAACTCTCGCCCTGCAAAGGCAGCGCACCTACGACTTCTACTACATGGATTACCTGATGTTT
AACTATCCAAGCCCTTTCAGATCTGTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



[View online >](#)

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001127896

Insert Size: 1275 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: [NM\\_001127896.1](#)

RefSeq Size: 2251 bp

RefSeq ORF: 1275 bp

Locus ID: 64377

UniProt ID: [Q9H2A9](#)

Cytogenetics: 19q13.11

Protein Families: Transmembrane

MW: 48.8 kDa

**Gene Summary:** The protein encoded by this gene belongs to the sulfotransferase 2 family. It is predominantly expressed in the pituitary gland, and is localized to the golgi membrane. This protein catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. It is responsible for sulfation of GalNAc on luteinizing hormone (LH), which is required for production of the sex hormones. Mice lacking this enzyme, exhibit increased levels of circulating LH, and precocious sexual maturation of both male and female mice. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2011]  
Transcript Variant: This variant (1) represents the predominant transcript. Variants 1-3 encode the same protein.