

Product datasheet for **SC319591**

CHST8 (NM_022467) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHST8 (NM_022467) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST8
Synonyms:	GalNAc4ST; GALNAC4ST1; PSS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022467.3
 GGGACTCGTCCCAGAGTTTGCTGCCGCCGCCGCTGCCATTAGAGCGGTTTTAATTAG
 CTGCAGGATTTTTAATGAGCTGAAATCAAGAAGAGCCCCATCTCAGAAGTAAGCGAGAGC
 CGCGCGCAGGGAAGAAGTCTGACAAAAAGAGGAGGTGGTCTCTCGGGGGACTGG
 GCTGTAGGCTCCCACCGATCGATCGGCGACGAGCAGATGAGTTCCCGAGGCCAGGAGGCT
 GAGGAGGGAAGCCAGGGCTCAGAGACCAGCCCGGTGCAGAGTCCCCGCTGCTGCCACC
 GCGGCAGAAGGCACGGTGCCGGATTCAAGGTGACGGCAGTGCCTGGCTCCATTCTCCTCA
 AGTTGCCATAGCAGCCTCTCTCCAACAAGCAGCTTCTCCGGGAGCCCTCAGCCGGGAGG
 GACGTCATTGTTCTCTCCTGCCGTGTGGTGCAAGGAGACCCACCGGACAGAGAACCTTTC
 CCGAGCCCGGGTCCGCTGACCAGTGGGTGCACCCATGCTGCCTGGAGCCAGGCACAGG
 GACAGGTCCCCACGGCCACAGGGAATCCTCTGGGCAGCTGAGGGGAGCGTCCAGGCCAG
 AAGCAGCTGCAGCAAGCGTGTCTTGGAGCCGTCCATGCGTCTGTCCGCTGCTGCCGG
 TCGCCACTGGAGATCTCGCCTGATGGACGCTGGTGTGGACGATGAGGGAAGAAGTGC
 CCCCCACACCAAGAGGTGACCCCTGAGCCAGCCCGGATGACCTGCGACCTGGAACAA
 TGCGGCTGGCCTGCATGTTCTTCCATCCTGCTGTTCCGAGCTGCAGGCCTCCTCCTCT
 TCATCAGCCTGCAGGACCTACGGAGCTCGCCCCCAGCAGGTGCCAGGAATAAAGTTCA
 ACATCAGGCCAAGGCAGCCCCACACGACCTCCCACCAGGCGGCTCCCAGGATGGTGACT
 TGAAGGAACCCACAGAGAGGGTCACTCGGGACTTATCCAGTGGGGCCCCGAGGGGCCGA
 ACCTGCCAGCGCTGACCAGCCTCAACCCCGCTGCAGAGGGGAACCCGTCTGCGGCTCC
 GCCAGCGCCGTGCGCGTCTGCTCATCAAGAAAATGCCAGCTGCGGCGACCATCCCGGCCA
 ACAGCTCGGACGCGCCCTCATCCGGCCGGGACCCGGGACGCTGGATGGCCGCTGGGTCA
 GCCTGCACCGGAGCCAGCAGGAGCGCAAGCGGGTATGCAGGAGGCCCTGCCCAAGTACC
 GGGCGAGCAGCAGCCCGGGCCGTACGCCCCGCCACGTGTCGGTATCTTCGTGGAGG
 ACCGCCACCGCGTCTACTGCGAGGTGCCCAAGGCCGCTGCTCCAATTGGAAGCGGG
 TGCTCATGGTGTGGCCGCTGGCCTCGTCCACTGCCGACATCCAGCACAACACCGTCC
 ACTATGGCAGCGCTCTAAGCGCCTGGACACCTTCGACCGCCAGGGTATCTTGCACCGTC
 TCAGCACCTACACCAAGATGCTCTTTGTCCGCGAGCCCTTCGAGAGGCTGGTGTCCGCT
 TCCGCGACAAGTTTGAGCACCCCAACAGCTACTATCACCCGGTCTTCGGCAAGGCCATCC
 TGGCCCGTACCAGCGCAATGCCTCTCGGGAGGCCCTGCGGACCGGCTCTGGGTGCGTT
 TTCCCGAGTTCGTCCAGTACCTGCTGGACGTGCACCGCCCGTGGGGATGGACATTCCT
 GGGACCATGTGAGCCGGCTCTGCAGCCCTGCCTCATCGACTACGATTTCTGAGGCAAGT
 TCGAGAGCATGGAGGACGATGCCAACTTCTCCTGAGCCTCATCCGCGCGCCGCGGAACC
 TGACCTTCCCCCGGTTCAAGGACCGGCACTCGCAGGAGGCGGGACCACAGCGAGGATCG
 CCCACCAGTACTTCGCCAACTCTCGGCCCTGCAAGGCAGCGCACCTACGACTTCTACT
 ACATGGATTACCTGATGTTCAACTATTTCAAGCCCTTTGCAGATCTGACTGAGGGGCGC
 CGCAGCTGGCCGGGGCCGCCCTGCCCGGTCACTACCTGTGCTCCCGGCATCCTCCTG
 TCCCTGGTCTCATCTGGGAGCAACAGGGCTCTGAGGACGTGAGGAGCCATCGCTGTG
 GGAGGCAGCAGGCCCGGGTGGGGGCAGAGGCCCCAGCCTTGGATGGGGACCCAGCC
 CCTGGCTGTACCTGTTTCTCATTCTTGGCTGAGGGAGAGGCTGAGAAGTGGGCAGAC
 ACCCTTGAGCTCAGCCGACAGTTTGTGAGCAGGGAAGTCTGAGGCCAGAGGACGGG
 GGGCCAGCGGTAAGGATGTCCCGCACTCCCTTAGCCATTGCCTTGACCAAACACGCT
 GGTTTGCAGTTTTCTACGAGCCAGGGGGAGGTTCCCTTGATTAAGGTTCAAATAAA
 GCACATGGTTTCCAGAGCAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022467

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:	<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_022467.3 , NP_071912.2
RefSeq Size:	2496 bp
RefSeq ORF:	1275 bp
Locus ID:	64377
UniProt ID:	Q9H2A9
Cytogenetics:	19q13.11
Domains:	Sulfotransfer2
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) contains an alternate 5' non-coding exon compared to variant 1. Variants 1-3 encode the same protein.</p>