

Product datasheet for SC305128

CHST5 (NM_024533) Human Untagged Clone

Product data:

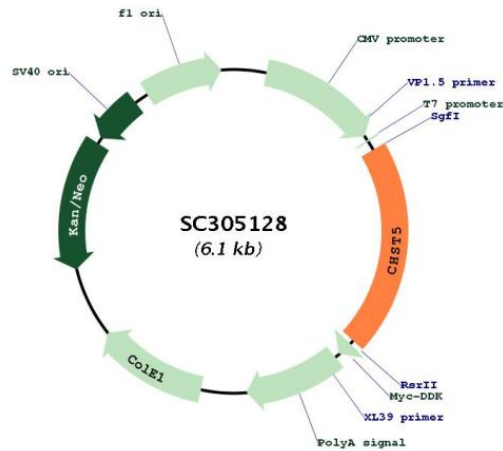
Product Type:	Expression Plasmids
Product Name:	CHST5 (NM_024533) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST5
Synonyms:	glcNAc6ST-3; gn6st-3; hIGn6ST; I-GlcNAc-6-ST; I-GlcNAc6ST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305128 representing NM_024533. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCATGAGGGCCCGGTCCCTAAAGTTGCCACTCCACCCGAAGGCCCCAGCCGCCGCATGTGG
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CTACCCCTGGATCTGGTGTGCCACGAGGCCAGACCCTTACGCTGGGCATCGCCTGACTGA
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ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII



[View online >](#)

Plasmid Map:


ACCN: NM_024533

Insert Size: 1236 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_024533.4](#)

RefSeq Size: 3250 bp

RefSeq ORF: 1236 bp

Locus ID: 23563

UniProt ID: [Q9GZS9](#)

Cytogenetics: 16q23.1

MW: 46.2 kDa

Gene Summary: The protein encoded by this gene belongs to the Gal/GalNAc/GlcNAc 6-O-sulfotransferase (GST) family, members of which catalyze the transfer of sulfate to position 6 of galactose (Gal), N-acetylgalactosamine (GalNAc), or N-acetylglucosamine (GlcNAc) residues within proteoglycans, and sulfation of O-linked sugars of mucin-type acceptors. Carbohydrate sulfation plays a critical role in many biologic processes. This gene is predominantly expressed in colon and small intestine. [provided by RefSeq, Aug 2011]