

Product datasheet for **SC305893**

CHST14 (NM_130468) Human Untagged Clone

Product data:

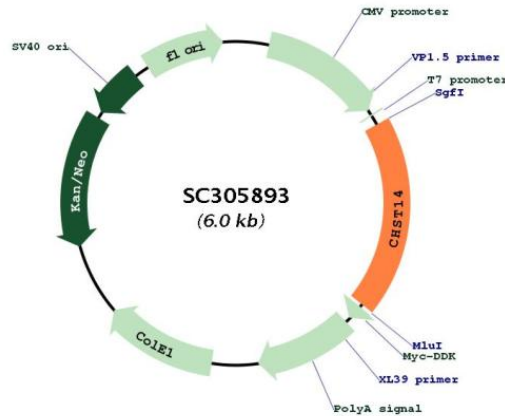
Product Type:	Expression Plasmids
Product Name:	CHST14 (NM_130468) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST14
Synonyms:	ATCS; D4ST1; EDSMC1; HNK1ST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305893 representing NM_130468. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTTCCCGCCGCTGACCCGCTGGCGGCCCAATGGCGCCGAGCCCTGGGCCGGGCGCTGAGG
CGGGCCCTCTGGGCAGGGCCCGGGCGGGGCTGGGTGGGCGCCCTGCTGCTGCCGTCCATGCTGATG
TTTGGGTGATCGTGGCCTCCAGCGGGCTGCTGCTCATGATCGAGCGGGCATCCTGGCCGAGATGAAG
CCCCTGCCCTGCACCCGCCGCGGAGGGCACAGCCTGGCGGGAAAGCCCCAAGCCTGGGGGC
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TGGAAGCGGGTGATGAAGGTGCTGGCAGGCGTCTGGACAGCGTGGACGTCCGCCTCAAGATGGACCAC
CGCAGTGACCTGGTGTTCCTGGCCGACCTGCGGCCTGAGGAGATTCGCTACCGCCTGCAGCACTACTTT
AAGTTCCTGTTTGTGCGGGAGCCCTTGGAACGCCTCCTCTCTGCCTACCGCAACAAGTTTGGCGAGATC
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GCAGGCGACGATGTCACATTCCCGAGTTCCTGAGATACCTGGTGGATGAGGACCCTGAGCGCATGAAT
GAGCATTGGATGCCCGTGTACCACCTGTGCCAGCCTTGCCGCTGCACTATGACTTTGTGGGCTCCTAT
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GCTCGCCAGGCCTGGTACCGGCCAGCCAGCCCCGAAAGCCTGCATTACCACTTGTGCAGTGCCCCCGG
GCCCTGCTGCAGGATGTGCTGCCTAAGTATATCCTGGACTTCTCCCTCTTTGCCTACCCACTGCCTAAT
GTCACCAAGGAGGCGTGTGAGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_130468

Insert Size: 1131 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_130468.3](#)

RefSeq Size: 2213 bp

RefSeq ORF: 1131 bp

Locus ID: 113189

UniProt ID: [Q8NCHO](#)

Cytogenetics: 15q15.1

Protein Pathways: Chondroitin sulfate biosynthesis

MW: 43 kDa

Gene Summary: This gene encodes a member of the HNK-1 family of sulfotransferases. The encoded protein transfers sulfate to the C-4 hydroxyl of N-acetylgalactosamine residues in dermatan sulfate. Mutations in this gene have been associated with adducted thumb-clubfoot syndrome. [provided by RefSeq, Mar 2010]