

## Product datasheet for RC208428

### CHST14 (NM\_130468) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHST14 (NM_130468) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CHST14
Synonyms:	ATCS; D4ST1; EDSMC1; HNK1ST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208428 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTTCCCCCGCCGCTGACCCCGCTGGCGGCCCAATGGCGCCGAGCCCTGGGCCGGGCGCTGAGGC  
GGGCCCTCTGGCAGGGCCCGGGCGGGCTGGTGGCCGCCCTGCTGCTGCCGTCCATGCTGATGTT  
TGCGGTGATCGTGGCCTCCAGCGGGCTGCTGCTCATGATCGAGCGGGGCATCCTGGCCGAGATGAAGCCC  
CTGCCCTGCACCCGCCCGCGGAGGACAGCCTGGCGGGAAAGCCCCAAGCCTGGGGCCTGT  
CCCTCAGGGCTGGGACGCGGACTTGCAAGTGCAGGACGTCGGAACAGGACCTGCGGGCGGTGTG  
CGGACAGCCAGGCATGCCCGGGACCCCTGGGACTTGCCGGTGGGCGAGGCGCACCCCTGCTGCGCCAC  
ATCCTCGTAAGTGACCGTTACCGCTTCCCTACTGCTACGTCCCCAAGGTGGCCTGCTCTAACTGGAAGC  
GGGTGATGAAGGTGCTGGCAGGCGTCTGGACAGCGTGGACGTCGCTCAAGATGGACCACCGCAGTGA  
CCTGGTGTTCCTGGCCGACCTGCGGCCTGAGGAGATTCGCTACCGCCTGCAGCACTACTTAAAGTTCCTG  
TTGTGCGGGAGCCCTTGGAACGCTCCTCTGCCTACCGCAACAAGTTTGGCGAGATCCGAGAGTACC  
AGCAACGCTATGGGGCTGAGATAGTGAGGCGGTACAGGCTGGAGCGGGCCAGCCCTGCAGGCGACGA  
TGTCACATTCCCCGAGTTCCTGAGATACCTGGTGGATGAGGACCTGAGCGCATGAATGAGCATTGGATG  
CCCGTGTACCACCTGTGCCAGCCTTGTGCCGTGCACTATGACTTTGTGGGCTCCTATGAGAGGCTGGAG  
CTGATGCAAATCAGGTGCTGGAGTGGTACGGGACACCCTCACGTCCGATTTCCAGCTCGCCAGGCCTG  
GTACCGGCCAGCCAGCCCCGAAAGCCTGCATTACCACTTGTGCAGTGCCCCCGGGCCCTGCTGCAGGAT  
GTGCTGCCTAAGTATATCCTGGACTTCTCCCTTGTGCCTACCCACTGCCTAATGTACCAAGGAGGCGT  
GTCAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_130468.4](#)

**RefSeq Size:** 2213 bp

**RefSeq ORF:** 1131 bp

**Locus ID:** 113189

**UniProt ID:** [Q8NCHO](#)

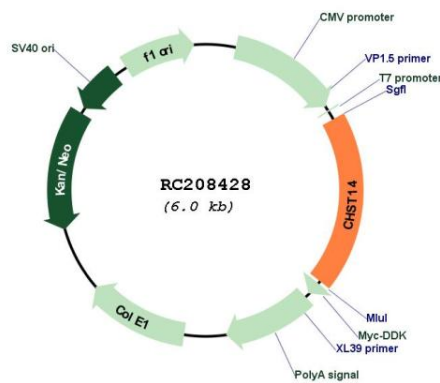
**Cytogenetics:** 15q15.1

**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]

### Product images:



Circular map for RC208428