

Product datasheet for **SC322257**

CHST10 (NM_004854) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHST10 (NM_004854) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHST10
Synonyms:	HNK-1ST; HNK1ST
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 SC322257
 GGCCCCAAAGCCGGTCTAGCGCGCCGGGGCTCTTCTTACTTCCGCTGCCGCCGCCGCC
 ACATCCCAGGACCCGACGGGCGCGCGCGGAGGCCTCGGGGCAAGTGGGGCGGGCCTC
 CCGAGCTCCCAGGACCCCGCGCGCTTCGCCACAGGCCCGGCGAAGCCCGACCCGCGCG
 CGCCCCAGGGCCAGGGGAGGAGCCTAAGGACCCGGACGAGCGCCGCTCCAGTAGTGAC
 AAGAGGAAACAAGAACCTCAGTTCAGGGGAAACACAGCAAGGAAATGTGAGCCCCAGGCT
 GCAGAAGGAAGATCAGTGAATGGCTGCGGTGTGACAACATGCACCACCAGTGGCTTCTG
 CTGGCCGATGCTTTTGGGTGATTTTCATGTTTCATGGTGGCTAGCAAGTTCATCAGTTG
 ACCTTTAAAGACCCAGATGTGTACAGTGCCAAACAGGAGTTTCTGTTCTGACAACCATG
 CCGGAAGTGAGGAAGTTGCCAGAAGAGAAGCACATTCTGAGGAACTGAAGCCAACCTGGG
 AAGGAGCTTCCAGACAGCCAGCTCGTTCAGCCCCTGGTCTACATGGAGCGCCTGGAACCTC
 ATCAGAAACGTCTGCAGGGATGATGCCCTGAAGAATCTCTGCACACTCCTGTCTCCAAG
 TTTGCTCTGGACCAATATTTGCTGTGACAAGCACAGATTCTTTTCTGCCAGACTCCC
 AAAGTGGGCAACACCCAGTGAAGAAAGTGTGATTGTTCTAAATGGAGCATTCTTCTCC
 ATTGAGGAGATCCCCGAAACGTGGTGCACGACCAGAGAAGAAGGCCTTCTCGGCTC
 TCTTCCTCAGTGTGAGAAATTCAGAAGCGATTGAAAACATACTTCAAGTTTTTTATT
 GTAAGAGATCCCTTCGAAAGACTTATTTCTGCATTTAAGGATAAAATTTGTTCCACAATCCC
 CGGTTTGAGCCTTGGTACAGGCATGAGATTGCTCCTGGCATCATCAGAAAATACAGGAGG
 AACCGGACAGAGACGCGGGGGATCCAGTTTGAAGATTTTCGTGCGCTACCTCGGCGATCCG
 AACACAGATGGCTAGACCTTTCAGTTTGGGGACCACATCATTCACTGGGTGACGTATGTA
 GAGCTCTGTGCTCCCTGTGAGATAATGTACAGTGTGATTGGACACCACGAGACCCCTGGAG
 GACGATGCCCCATACATCTTAAAGAGGCTGGCATTGACCACCTGGTGTACATACCCGACT
 ATCCCTCCGGCATTACCGTGTATAACAGAACCAAGGTGGAGCACTATTTCTGGGCATC
 AGCAAACGAGACATCCGACGCTGTATGCCCGTTTTCGAAGGGGACTTTAAGCTCTTTGGG
 TACCAGAAACCAGACTTTTTGCTAAACTAATGCATAAGACCTATGAATCAAATATCTTT
 ATTAGACTGGGGCTAACAGGTGAAGATCTGAGCCAGAAAATGACCCTTCTCCACCAC
 ACCCTCCTTTGAGGATGCCCGGGTCTCCACAGGCCTGTGAGTTGCCTCGGCATATGA
 CGCAGAACCCCACTGTTACAACCTAGTTTGGATGTAAGATGCTCTGAGGACCCTGCCCA
 CACCCCTCGTGCATTAGGATGTCGCTGGCCTTTGCTCACCTCAGAGGGGAGAAAAGGCT
 AAAGATTTGCAGTTTACAGCCAGCAGGGAGGAAGCATCACACAGCGTTAGGAGCCGTT
 TCCTTCAGGTGTTAAGGAAGGGGATGCCCTGAGGTTCTCCTGGTAGTGGGGTGGCTT
 CACCCATCACTGGTGGGTTGCAGGAACAGCACCCAGGACTCTGAGGAGGACAGAGAAGC
 AAGGGGGCTGCTGAAATCGCAGAGACTTTTGCAGCATCAGATCTGAGGAGTAAAACGGCA
 CCTCTGGCCTTCACTTGGTGTGCGACAATTGTGGAGGCAAAGCATTCTTTCTGTGACT
 ATTTTGTCTGTAGACAGTCAAGCATGGCCAGAGGGTGGTGTGGTGTCCAGGGGTCAT
 CTTTCCAGAAATCCATGCCTGTGTAATGCTGGTCCATGCTTCTGAACCTGTGTCTGCCAAG
 CGCCTATTTCACTCAGCACAAGACATACGATTTTAGAAGTGAGGGGAGGGGAGGCTTTT
 TCTACCTGAGAAGGGGAGTGTCTTTGAGGGCCTTAAAAGGACCATGGCCAGGAATGGGG
 GCGCTGGTTGGCTTGGAGCTCAGGCTGCTGTGGATCCCGCGCATCAGTTCTGACTTGC
 CTTACCTGGGTGGACAGCAGTGAATCTCCACCTGTCTTCTCAGGGAGCTCCCATGTTGG
 GGCTGAAGACGAGCAGGGCAACCTGCCAGCATCACAGAATTCAGTGTAGTTTATACATT
 TCGATTCTTTTCACTCAGCAAAATGGGCACTGCCAGAGCCATTTCTGATCACACCACCA
 TCCTGGACCATGTGACTGGAAGGTGGTAACCAAGTTCACCAGCAATAAAACCCAGCGCC
 CAGGTAGCTCCAGCAGTGCAGCTTCTGGCAACAAGGTAGGCCCTGGTGCAGGGCAAGC
 CGCAGCGACCATTTAGATACCGTCCACAGCCAGGACCGCTGAGAACTGGGACAGTTTCC
 TGGGATGAGTGCAGCCTGAGCCTGCATGGTCCCGCCAGCCCGGGTGGAGGAGGGAGC
 CAGGCTTCGCTTCAAGGCGGCCTCTACCTTTTCTCAGAATGGTTTCTGATTGTGTCAAT
 GTGAAAGTTAAATAAAATTTATGTGCCAACCTGAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_004854

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_004854.3 , NP_004845.1
RefSeq Size:	2815 bp
RefSeq ORF:	1071 bp
Locus ID:	9486
UniProt ID:	O43529
Cytogenetics:	2q11.2
Domains:	Sulfotransfer2
Protein Families:	Transmembrane
Gene Summary:	This protein encoded by this gene transfers sulfate to the C-3 hydroxyl of terminal glucuronic acid of protein- and lipid-linked oligosaccharides. This protein was first identified as a sulfotransferase that acts on the human natural killer-1 (HNK-1) glycan; HNK-1 is a carbohydrate involved in neurodevelopment and synaptic plasticity.[provided by RefSeq, Feb 2011]