

Product datasheet for **RR205763**

Chst10 (NM_080397) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chst10 (NM_080397) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Chst10
Synonyms: Hnk-1st
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205763 representing NM_080397
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACCACAGTGGCTCCTGCTGGCTGCATGCTTTTGGGTGATTTTCATGTTTCATGGTGGCCAGCAAGT
 TCATCACGTTGACCTTCAAAGACCCGGATGGGTATAGTGCCAAACAGGAGTTTGTGTTCTGACGGCCAT
 GCCAGAAGCAGAGAAGCTAAGAGGAGAGAAGCATTTCCTGAAGTCATGAAGCCAACTGGGAAGATGCTT
 TCGGAGAGCCATCCTGATCAGCCCCGGTTTATCTGGAGCGGCTGGAGCTCATCAGAAACGTTGCAAGG
 AGGAGGCTCTGCGGAACCTCTCCACACCGAGGTCTCTAAGTTTGTCTGGATCGAATCTTTGTCTGTGA
 CAAGCACAAAGATTCTTTCTGTGACACCCCAAAGTGGGCAACACCCAGTGAAGAAAAGTGTGATCGTC
 TTAATGGAGCATTTTCTTCTATTGAAGAGATCCAGAAAACGTGGTTCATGACCATGAGAAAAATGGCC
 TTCCACGTCTCTTCTTCTCAGCAAAATAGGAATTCAGAAGCGATTGAAAACATACTTCAAGTTTTTTAT
 TGTGAGGGATCCCTTTGAAAGACTGATCTCTGCCTTTAAGGATAAGTTTGTTCACAATCCTCGATTTGAA
 CCTTGGTACAGGCACGAGATAGCCCCGGCATTATTAGGAAATACCGGAAGAACCGGACAGAGACCCGGG
 GTATCCAGTTTGAAGATTTTGTGCGCTACCTGGGTGATCCAACCGCAGGTGGTTAGACCTTCAGTTTGG
 GGACCATATCATCCACTGGGTGACCTACGTAAAACCTCTGTGCACCTGTGAGATAAAGTACAGTGTGATT
 GGACACCACGAGACCCTGGAGGCAGATGCCCGTACATCCTAAAAGAAGCTGGCATTGACCACCTGGTGT
 CGTACCCCACTATCCCTCCCGGCATCCCATGTACAACAGGACCAAGGTGGAGCAGTACTTCTGGGCAT
 CAGCAAACGAGACATCCGGCGTCTCTATGCACGTTTTGAAGGGGACTTCAAGCTCTTTGGGTATCAGAAA
 CCAGATTTTTTGCTAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205763 representing NM_080397
 Red=Cloning site Green=Tags(s)

MHHQWLLLAACFWVIFMFMVASKFITLTFKDPDGYSAKQEFVFLTAMPEAEKLRGEKHFSEVMKPTGKML
 SESHDPDQPPVYLERLELIRNACKEEALRNLSHTEVSKFVLDRI FVCDKHKILFCQTPKVGNTQWKKVLIV
 LNGAFSSIEEIPENVVHDHEKNGLPRLSSFSKIGIQKRLKTYKFFIVRDPFERLISAFKDKFVHNPRFE
 PWYRHEIAPGIIRKYRKNRTETRGIQFEDFVRYLGDPNRRWLDLQFGDHIHVVTVYVKLCAPCEIKYSVI
 GHHETLEADAPYILKEAGIDHLVSYPTIPPGITMYNRTKVEQYFLGISKRDIRRLYARFEGDFKLFYQK
 PDFLLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

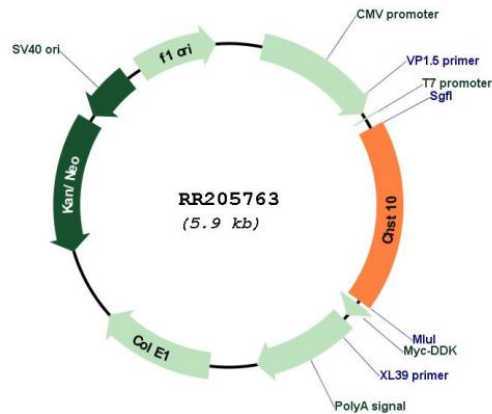
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_080397

| | |
|-------------------------------|---|
| ORF Size: | 1068 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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_080397.1 , NP_536322.1 |
| RefSeq Size: | 2649 bp |
| RefSeq ORF: | 1071 bp |
| Locus ID: | 140568 |
| UniProt ID: | O54702 |
| Cytogenetics: | 9q22 |
| MW: | 42 kDa |
| Gene Summary: | sulfotransferase that catalyzes a step in the biosynthesis of the HNK-1 carbohydrate epitope [RGD, Feb 2006] |