

## Product datasheet for **RR202897**

### Chst14 (NM\_001109639) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Chst14 (NM\_001109639) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Chst14  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR202897 representing NM\_001109639  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGTTTCCCCGCCCTCTGACCCCACTAGCTGCTCCGAAAAGCGCCAAGACCCTGGCCCGCAGCCGAAGC  
GGGCCCGTTGGCAGGGCCCGGGCTGGGATCGGGGGCCGCCCTGCTACTGCCGTCCATGCTGATGTT  
CGCAGTAATCGTGGCGTCCAGCGGACTGCTCATGATCGAGCGGGGCATCCTATCGGAGATGAAACCC  
CTTCCCCTGCACCCTCCAGCCACAAAGGCGCGGCCTGGAGCGGGACAGATCCTAAGCCTAGAGGCCTAT  
CTTTCGATGCTGAGGACTCGGACTTGCAAGTGCGGGAGGACATCCGAAAACCGGACCTTGAGGGCCGTGTG  
CGGACAACCAGGCATGCCCGGGACCCCTGGGACTTGCCGGTGGGACAGCGGCGCACCCCTACTACGCCAC  
ATCCTCGTAAGTGACCGTACCCTTCTCTACTGCTACGTCCCCAAAGTGGCCTGCTCTAACTGGAAC  
GCGTGCTGAAGGTGCTGGCAGGCGTCTGAACAACGTGGATGTCCGCCTCAAGATGGACCACCGCAGTGA  
CTTGGTGTCTTGGCAGACCTGCGGCCTGAGGAGATTCGCTACCGTCTGCAGCACTACTCAAGTTCTGT  
TTTGTGCGAGACCCCTTGAACGCCTCCTGTCTGCTTACCGCAACAAGTTGGAGAGATCCGAGAGTACC  
AGCAGCGCTATGGGGCCGAAATTGTGAGGCGCTACAGGGCTGGAGCTGGTCCCAGCCCTGCGGGGACGA  
CGTTACCTTCCCAGAGTTCTGAGATATCTGGTGGATGAAGATCCTGAGCATATGAATGAGCATTGGATG  
CCTGTGTACCACCTGTGCCAACCATGTGCTGTGCACTATGACTTCGTGGGTTCCATGAGAGGCTGGAAG  
CTGATGCCAACCGGTGCTGGAGTGGGTGCGGGCCCCATCCCATGTCCGGTCCCAGCTCGCCAGGCCTG  
GTACCGTCCAGCCAGCCAGAAAGTCTACATTACCACCTGTGCAATGCCCGCGGGCCCTGCTTCAAGAT  
GTGCTACCTAAGTATATCCTAGACTTCTCCCTTTTGCTTACCCACTGCCAATGTCACCAAGGAAGCCT  
GTCGC

AG**CGGACCC**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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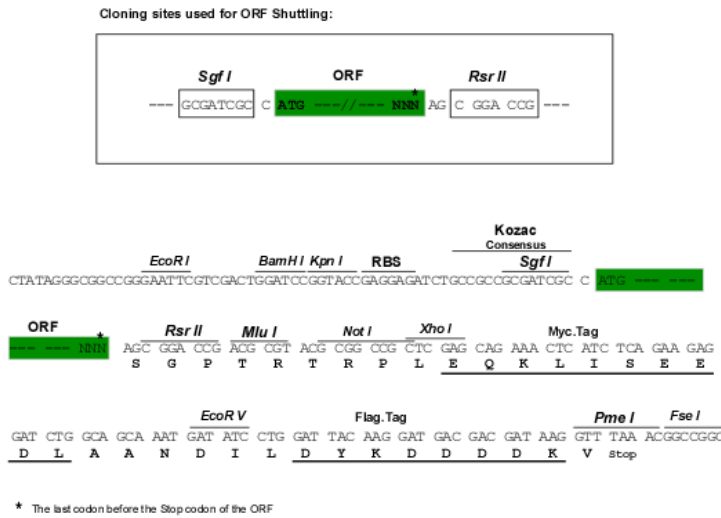
**Protein Sequence:** >RR202897 representing NM\_001109639  
 Red=Cloning site Green=Tags(s)

MFPRPLPLAAPKSAKTLARTPKRAPLGRARAGIGGPPLLLPSMLMFAVIVASSGLLLMIERGILSEMKP  
 LPLHPPSHKGAAWSGTDPKPRGLSFDAEDSDLQVREDIRNRTLRAVCGQPGMPDPWDLVVGQRRTLLRH  
 ILVSDRYRFLYCYVPKACSNWKRVLKVLAVLNNVDVRLKMDHRSDLVFLADLRPEEIRYRLQHYFKFL  
 FVRDPLERLLSAYRNKFGEIREYQORYGAEIVRRYRAGAGPSPAGDDVTFPEFLRYLVDEDEPEHMNEHWM  
 PYYHLCPCAVHYDFVGSYERLEADANQVLEWVRAPSHVRFPARQAWYRPASPESLHYHLCNAPRALLQD  
 VLPKYILDFSLFAYPLPNVTKEACR

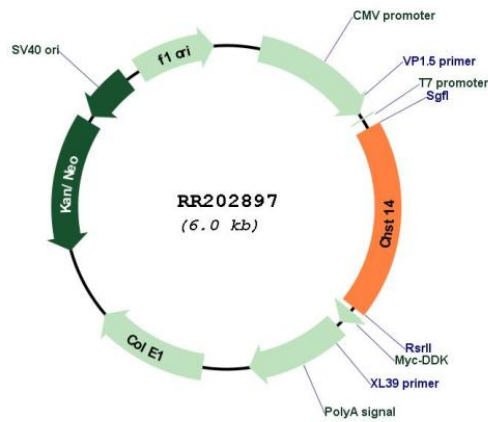
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001109639

<b>ORF Size:</b>	1125 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001109639.1</a> , <a href="#">NP_001103109.1</a>
<b>RefSeq Size:</b>	2058 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	691394
<b>Cytogenetics:</b>	3q35
<b>MW:</b>	43.1 kDa