

## Product datasheet for **RR208913**

### Chst3 (NM\_053408) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chst3 (NM_053408) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chst3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR208913 representing NM\_053408  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGAAAGGACTCGTTTTGCCTCAGGATTGCCGGACCTTGTGCACAACCTGAAGATTGAGGCAGAT  
 ATGTCCTGTTCTTGGCATTGTGGTCATAGTTTTATCTTCATTGAAAAGGAAAAATAAATCATATCCAG  
 GGTCTCCGACAAGCTGAAGCAGATCCCTCAGTTTTGGCAGATGCCAACAGCACCCAGCCAGCCCTGCTC  
 TTATCGGAAAAATGCATCTCTTGTCCCTGAGCGAGCTGGATTCCACCTTCTCCCATCTGCGGAGCCGCC  
 TGCACAACCTTGAAGCTGCAGCTGGGCATAGCGCCAGCAATGGAGGCCAGGGCCAGGAGGCTGTGGCAGA  
 GAAGCCATCCCAGCAGGCTGGAGCAGGGACCCGGCGCCACGTGCTCCTCATGGCCACCACTCGCACCCGCC  
 TCCTCATTCGTTGGCGAGTTCTCAACCAGCAAGGCAATATCTTTACCTCTTTGAGCCACTGTGGCACA  
 TCGAGCGCACCGTGTCTCCAGCAGGGAGGTGCCAGCGCGCGGGCTCAGCGTTGGTCTACCGCATGT  
 CCTCAAGCAGCTATTGCTGTGTGACCTGTATGTGCTAGAGCCCTTCATCAGCCCTCCGCCGAGGACCAC  
 TTGACTCAGTTCCCTGTTTCGCCGGGATCCAGCCGCTCGCTCTGCGAGGATCCGGTGTGCACACCCTTCG  
 TCAAGAAGGTCTTCGAGAAGTACCACTGCAGGAACCGTCATTGCCGGCCACTCAACGTGACCTTGGCCGC  
 CGAGGCCCTGCCGTGCAAGGACCACATGGCCCTCAAGGTCGTGCGCATCCGTGAGCTGGATTCTCGCAG  
 CCTCTGGCTGAGGACCAAGGCTGGACCTGCGAGTCATCCAGCTGGTGCAGCACCCCGGGCCGTGCTGG  
 CTTACGCATGGTGGCCTTTGCCGGCAAGTATGAGAGCTGGAAGAAGTGGCTGTCCGAGGGCCAGGACCA  
 GCTGAGCGAGAATGAGGTGCAGCGGTTGCCGGCAACTGTGAGAACATCCGCCTGTCTGCAGAGCTGGGC  
 TTGGCGCAGCCAGCTGGCTGCGCGGTCGGTACATGCTGGTGCCTACGAGGATGTGGCACGCAGGCCAC  
 TGCAGAAGGCCCGAGAGATGATCGCTCCGACGCATCCCTTGACCCCGCAGGTGGAGGACTGGATCCA  
 GAAGAACACGCAGGCGCGCGCAGCAGCAGGTCTACTCCACTCAGAAGAACCTCTCGGAGCAGTTT  
 GAGAAGTGGCGCTTACGCATACCCCTCAAGCTGGCACAGGTGGTGCAGGCTGTCTGCGGCCCGGCCATGC  
 ACCTCTTCGCCACAAGTTGGCAAAGGATACCGCCTCACTACCAACCGCTCCATCAGCCTGCTGGAGGA  
 GCGGGGCACCTTCTGGGTCACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208913 representing NM\_053408  
 Red=Cloning site Green=Tags(s)

MEKGLALPQDCRDLVHNLKIRGRYVFLAFVIVIFIFIEKENKIIISRVSDKLKQIPQFVADANSTDPALL  
 LSENASLLSLSELDSTFSLRSLHNLSQLGIAPAMEAQGQEAVAEKPSQQAGAGTRRHVLLMATTRTG  
 SSFVGEFFNQGNIFYLFEPLWHIERTVFFQGGASAAGSALVYRDVLKQLLLCDLYVLEPFISPPPEDH  
 LTQFLFRRGSSRSLCEDPVCTPFVKKVFEKYHCRNRHCGPLNVTLAAEACRRKDHMALKVVRIRQLEFLQ  
 PLAEDPRLDLRVIQLVRDPRAVLASRMVAFAGKYESWKKWLSEGQDQLENEVQRLRGCNENIRLSAELG  
 LRQPAWLRGRYMLVRYEDVARRPLQKAREMYRSAGIPLTPQVEDWIQNTQAARDSSDVYSTQKNSSEQF  
 EKWRFSIPFKLAQVVQAVCGPAMHLFGHKLAKDTASLTNRSISLLEERGTFWVT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

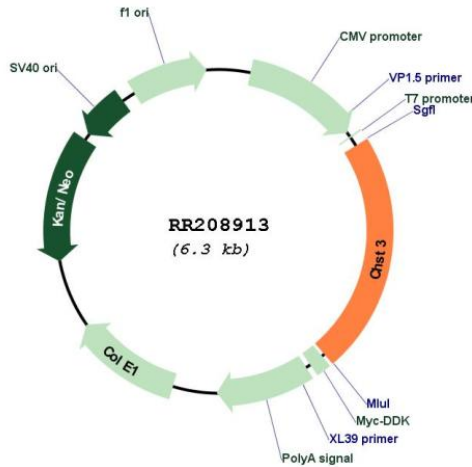
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_053408

ORF Size: 1422 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:**

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\\_053408.1](#), [NP\\_445860.1](#)

**RefSeq Size:** 1425 bp

**RefSeq ORF:** 1425 bp

**Locus ID:** 84468

**UniProt ID:** [Q9QZL2](#)

**Cytogenetics:** 20q11

**MW:** 54 kDa

**Gene Summary:** mouse homolog is a transferase that catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate to the N-acetylgalactosamine residue of chondroitin [RGD, Feb 2006]