

Product datasheet for **RR209131**

Chst12 (NM_001037775) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chst12 (NM_001037775) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Chst12
Synonyms: MGC112823
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR209131 representing NM_001037775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCAAGCCGCGGCTCTCCGGCTGTGGCTGGCACTAGGGTCGGCCCTCATGATTCTTTTGATCATTG
 TATATTGGGACAACGTGGGCACTGCCACTTCTATCTGCATACGTCCTGTCCAGGCCACACATCTAGA
 ACCCCTTCCCACCCAGGGGCTGGCAGAGGAGAACGTGTTGGCTCCGATGTGGACGAGTTTTTGGACAG
 CTCCTTAGTTCTGACGCGAAACACAACGACCTTCCAGGAGAAAACTGAGCAGCCCCGGTGCTCACCC
 CCAGCAAGCCAGTCTTGAGCCACATGGAGGAGAACGTGAGAGGCTACGACTGGTCCACCCATGATGCCA
 GCAGAACCAGACCGGGACAGGCAGCAGGCCGAGAGGAGGAGCCTGCTGAGGGATTTCTGTGCCAACGCC
 AGCCTGGCATTCCCCACCAAGGACCGCTCTTTGACGACATCCCCAACTACGAACTGAACCACCTGATTG
 TGGACGACCGCCACGGGGTCATCTACTGCTACGTGCCAAGGTGGCCTGCACCAACTGGAAGCGAGTGAT
 GATCGTGCTGAGCGAGAGCCTGCTGGACCGGGGACGCCCTACCGAGACCCCTGGACATCCCCCGGGAG
 CACGTGCACAACACCAGCACGCACCTGACCTTCAACAAGTTCTGGCGCCGCTACGGGAAGTTCTCCCGTC
 ACCTCATGAAGTCAAGCTGAAGAAGTACACCAAGTTCTGTTCGTGCGCGACCCCTTCGTGCGCCTCAT
 CTCAGCCTTCCGAGCAAGTTCGAGCTGGAAAACGAGGAGTTTTACCGAAGTTCGCGGTGCCATGCTC
 CGGCTGTACGCCAACACACCAGCCTGCCCGCTCGGTGAGCGAGGCTTTCAGCGCAGGCCCTCAAGTCT
 CTTTCGCCAACTTCATCCAGTACCTCCTGGACCCACACACGAGAGGAGCTGGCGCCCTTCAACGAGCACTG
 GCGACAGGTGTACCGCCTCTGCCACCCGTGCCAGATAGACTACGACTTCGTGGGGAAGCTGGAGACCCTG
 GATGAGGATGCTGCCAGCTCCTGAGGTCCTCAAGGTAGACTCCCAACTCCACTTCCCTCCCAGTTACC
 GGAACAGGACCGCCAGCAGCTGGGAGGAAGACTGGTTTGCCAACATCCCCCTGGCCTGGAGGCAACAGCT
 CTATAAATCTACGAGGCCGACTTTGTTCTCTTTGGCTACCCCAAGCCAGAAAACCTGCTCAGGGAC

ACGGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209131 representing NM_001037775
 Red=Cloning site Green=Tags(s)

MTKPRLFRLWLALGSALMILLIIVYWDNVGTAHFYLHTLSRPHILEPLPTQGLAEENVLASDVDFLDT
 LLSDDAKHNDLSRRKTEQPPVLTPSKPVLSHMEENVRGYDWSHDAQQNPDRDRQQAERRSLLRDFCANA
 SLAFPTKDRSFDDIPNYELNHLIVDDRHGVIYCYVPKVACTNWKRVMIIVLSESLDRGSPYRDPLDIPRE
 HVHNTSTHLTFNKFWRRYGKFSRHLMKVKLKYYTKFLFVRDPFVRLISAFRSKFELENEEFYRKFAVPM
 RLYANHTSLPASVSEAFSAGLKVSFANFIQYLDPHTEKLPFNEHWRQVYRLCHPCQIDYDFVGKLETL
 DEDAAQLLRSLKVDSQLHFPPSYRNRTASSWEEDWFANIPLAWRQQLYKLYEADFVLFYGPKEPENLLRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001037775

ORF Size: 1257 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_001037775.2, NP_001032864.1

RefSeq Size: 1634 bp

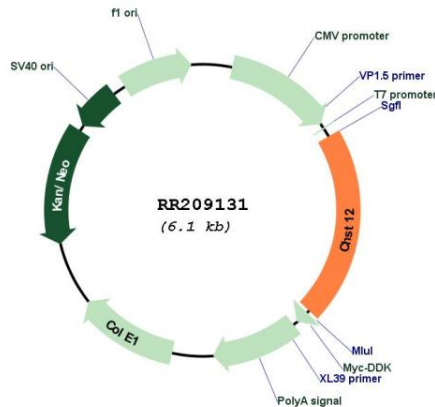
RefSeq ORF: 1260 bp

Locus ID: 304322

Cytogenetics: 12q11

MW: 49.3 kDa

Product images:



Circular map for RR209131