

Product datasheet for **RR214552**

Chst4 (NM_001107427) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Chst4 (NM_001107427) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Chst4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214552 representing NM_001107427
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCTGTTTAAAGAAAGGGAGGCTGCTGGCGTTCTGTGTTCCAGGTGATAGTTGTAGCTCTCTTCG
TCCACATGTCGGTCATAGACACTTGTCCAGAGGGAGGAGTCCAGGAGGCTGTGCACGTGCTGGTCTC
GTCTTCTGGCGCTCGGGTCTCTTTTGTGGACAGCTTTTGGGCAGCACCCGGATGTGTTCTACCTG
ATGGAGCCTGCCTGGCAGGTGTGGATGACTTTCACCAGCAGCACAGCCTGGAAGCTGCACATGGCCGTGC
GGGATCTTCTGCGTTCCGTCTTCTGTGTGACATGAGCGTCTTTGATGCCTACATGAACCCGGCCCCCG
AAAACAATCCAGCCTCTCCAGTGGGAGCAAAGCCGGCCCTGTGCTCTTCGCCTATTTGCGACTCTTTC
CCTGCTGACCAGATCAGCTCGCCCAAGCATTGCAAGCCGCTCTGCAGTCAGCTGCCCTTTGATATGGTGG
AGAAGGCCTGCCGCTCTCACAGCCACGTGGTACTCAAGGAGGTGCGTTTCCCTCAGCCTGCAGGCCCTGTA
TCCACTGCTCACAGACCCTTCCCTCAACCTGCACATCGTGCACCTGGTCCGAGACCCGGGGCTGTGTT
CGATCCCAGAGAACACACCACAGCAGAATCATGATTGACAGTCATATTGTGCTAGGGCAGAATTTGAAAA
TGATCAAGGAGGAAGACCAGCCCTATTATGCCATGAAGATCATCTGCAAAAGCCAGTGGACATAGTCAA
GGCCATCCAAACCCTACCTGAAGTTCTGCAGCGCGTTACCTGCTCCTGAGGTATGAGGACTGGTCCGG
GCACCTTAGCTCAGACTTCCAGACTGTATAAATTTGTGGGGTTGGACTTTTTGCCTCATCTCCAACCT
GGGTTCAAAATGTCAACCGTGGCAAGGGCATGGGTGAGCATGCCTTCCACACTAATGCCAGGGACGCCCT
CAACGTCTCCAGGCATGGCGTTGGTCTTACCTTATACAAAGGTTTCTCAGCTTCAAGATGACTGTGGT
GAAGCTATGGATTTTCTGGGATACCTCCAGGTGAGTCCCAACAAGAGCAAGGCAACCTGTCCCTGAATC
TTCTGTCTCTTCCCGTATCTTGGGGCAGGTCTTCCAAGAAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214552 representing NM_001107427
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MMLFKKGRLLAFLCSQVI VVALFVHMSGHRHLFQREESRRPVHVLVLSWRSGSSFVQQLFGQHPDVLYL
 MEPAWHVWMTFTSSTAWKLHMAVRDLLRSVFLCDMSVFDAYMNPGRPQSSLFQWEQSALCSPICDFF
 PADQISSPKHKCKPLCSQLPFDMEKACRSHSHVVLKEVRFSLQALYPLLTDPSLNLHIVHLVRDPRAVF
 RSREHTTAELMIDSHIVLGNLKMKEEDQPYAMKIICKSHVDIVKAIQTLPEVLQRRYLLLRVEDLVR
 APLAQTSLRYKFGVGLDFLPHLQTWVHNVTRGKGMGQHAFHTNARDALNVSQAWRWSLPYTKVSQLQDDCG
 EAMDFLGYLQVRSQQEQNLNLSSSRILGQVFQEG

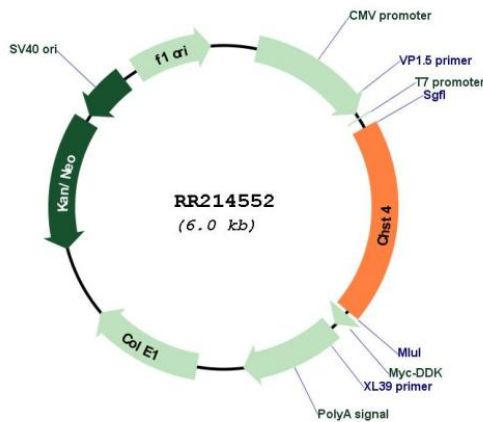
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107427

ORF Size:	1164 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_001107427.1 , NP_001100897.1
RefSeq Size:	2223 bp
RefSeq ORF:	1167 bp
Locus ID:	307838
Cytogenetics:	19q12
MW:	44.8 kDa