

Product datasheet for RR216731

Chit1 (NM_001270848) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Chit1 (NM_001270848) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Chit1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR216731 representing NM_001270848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGCACTCCCTGGCCTTGGCAGGTGTGACGACTCTGCTGATGATCCAGTGGGGCTCTGCTGCCAAAAC
 TGTTCTGCTACTCACCAACTGGGCCAGTACCGTCCGGGGCAGCTCGATTCTACCTAGGGATGTGGA
 TCCCAACCTGTGTACCCATGTCATCTATGCCTTTGCTGGACTGAACAACCACCAGGTGACTGTAGAG
 CCCAATGACGAGCTTTTCTACCAAGAGCTGAACAGCCTAAAGAAGAGGAACCCCAAGCTCAAGACCTGT
 TAGCCGTCGGGGGCTGGAGCTTTGGTACCCAGAAGTTCACAGACATGGTGGCCACAGCCAGCACCCGGCA
 GACCTTTGTCAACTCAGCTCTCTCGTTCCTGCGCACTCATGGTTTTGACGGCCTTGACCTTGACTGGGAA
 TACCCAGGAAGCCGAGGGAGCCAGCAGTAGACAAAGAGAGATTCACAGCGCTGATACAGGATTTGGCCA
 AAGCCTTCCAGGAGGAAGCCCGGCCCTCAGGAAAAGTCGCTCCTTCTGACTGCAGCTGTACCAACTGG
 TCGAGGCCATGTGGATGCTGGTTATGAGGTGGACAAGATTGTTTCAGAGTTTGGATTTTCATCAACCTTATG
 GCCTACGACTTCCACAGCTCCTGGGACAAGACCACAGGGCACAACAGCCCCCTACAAAAGGCAAGGAG
 AGACTGGGAAAGATGCTGAAAAAATGTGGATGCTGCTGTGACGCTCTGGCTGCAGAAGGGGACCCCTGC
 CAGCAAATGATGCTTGGCATGCCCGCCTACGGAGCTCCTTACCTTGGCCTCCTCATCAGACAGTGGGA
 GTTGGGGCTCCAGCCACAGGACCTGGGGCCCCAGGCCCTATACTAAGGAAAAGGGGATACTGGTTTACT
 TTGAGGTCTGCTCCTGGAAGGAAAACAGAGAATCGAGGACCAGAAGGTGCCCTATGTCTCCAGGGCAA
 CCAATGGGTGGGATTTGATGACAGGGAAAGCTTCAGAGCCAAGGCTGCCTATGTGAAACAGAAGGGACTG
 GGAGGGGCCATGGTCTGGATTCTGGATGGGGATGACTTCAAAGTTTCTTCTGCAACGAGGGCCAGTACC
 CTCTCATCCGGACACTACACCAGGAGCTGAGCCTTTCATCCGGCCCTCCAAGAAGCCAGAACAGGAAGT
 ACCTGGGCCACACCAGCCTTCTGAGCCCAGCAGGGCCCCAGCCAGGGCTAGATGACTTCTGCCAAGGC
 AAAGCTGATGGGCTTACCCCAACCCTACAGAAAAGTCCAGTTTCTACAGCTGTGGAGGGGGCGACTGT
 TCCAGCACAGCTGCCCCAGGCCTGGTGTATTCGACTCTTGCAATGCTGTACCTGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR216731 representing NM_001270848
Red=Cloning site Green=Tags(s)

MVQSLALAGVTTLLMIQWGSAAKLCYFTNWAQYRSGAARFLPRDVPNLCTHVIYAFAGLNNHQVSTVE
 PNDELFYQELNSLKRRNPKLKTLLAVGGWSFGTQKFTDMVATASTRQTFVNSALSFLRTHGFDGLDLDWE
 YPGSRGSPAVDKERFTALIQDLAKAFQEEARASGKSRLLLTAAVPTGRGHVDAGYEVDKIVQSLDFINLM
 AYDFHSSWDKTTGHNSPLYKRQGETGKDAEKNVDAAVTLWLQKGT PASKLMLGMPAYGRSFTLASSSDSG
 VGAPATGPGAPGYPYTKKEGILVYFEVCSWKGQRIEDQKVPYVSQGNQWVGFDDRESFRAKAAYVKQKGL
 GGAMVWILDGDDFKGSFCNEGQYPLIRTLHQELSLSSGPPRSPEQEVPGHPQSEPEQGPSPGLDDFCQG
 KADGLYPNTEKSSFYSCGGRLFQHSCPPGLVFIDSCCKCTWG

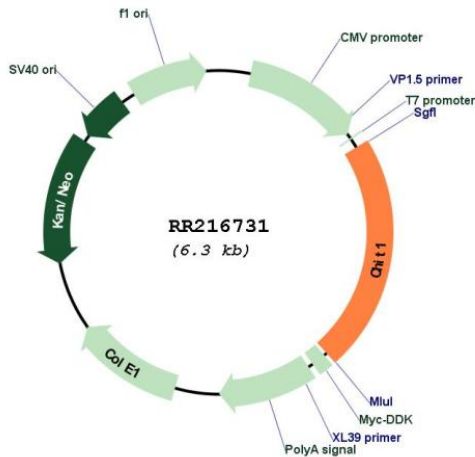
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001270848
ORF Size:	1392 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_001270848.1 , NP_001257777.1
RefSeq Size:	1819 bp
RefSeq ORF:	1395 bp
Locus ID:	289032
Cytogenetics:	13q13
MW:	50.8 kDa