

Product datasheet for **RR216730**

Chit1 (NM_001270847) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chit1 (NM_001270847) 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:	>RR216730 representing NM_001270847 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCAGTCCCTGGCCTTGGCAGGTGTGACGACTCTGCTGATGATCCAGTGGGGCTCTGCTGCCAAAAC
TGTTCTGCTACTCACCAACTGGGCCAGTACCGTCCGGGGCAGCTCGATTCTACCTAGGGATGTGGA
TCCCAACCTGTGTACCCATGTCATCTATGCCTTTGCTGGACTGAACAACCACCAGGTGACTGTAGAG
CCCAATGACGAGCTTTTCTACCAAGAGCTGAACAGCCTAAAGAAGAGGAACCCCAAGCTCAAGACCTGT
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GACCTTTGTCAACTCAGCTCTCTCGTTCCTGCGCACTCATGGTTTTGACGGCCTTGACCTTGACTGGGAA
TACCCAGGAAGCCGAGGGAGCCAGCAGTAGACAAAGAGAGATTACAGCGCTGATACAGGATTTGGCCA
AAGCCTTCCAGGAGGAAGCCGGGCCTCAGGAAAAGTCGCTCCTTCTGACTGCAGCTGTACCAACTGG
TCGAGGCCATGTGGATGCTGGTTATGAGGTGGACAAGATTGTTTCAGAGTTTGGATTTTCATCAACCTTATG
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CAGCAAAGTATGCTTGGCATGCCCGCCTACGGAGCTCCTTACCTTGGCCTCCTCATCAGACAGTGGGA
GTTGGGGCTCCAGCCACAGGACCTGGGGCCCCAGGCCCTATACTAAGGAAAAGGGGATACTGGTTTACT
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CCAATGGGTGGGATTTGATGACAGGGAAAGCTTCAGAGCCAAGGCTGCCTATGTGAAACAGAAGGGACTG
GGAGGGGCCATGGTCTGGATTCTGGATGGGGATGACTTCAAAGTTTCTTCTGCAACGAGGGCCAGTACC
CTCTCATCCGGACACTACACCAGGAGCTGAGCCTTTCATCCGGGCCTCCAAGAAGCCAGAACAGGAAGT
ACCTGGGCCACACCAGCCTTCTGAGCCCAGCAGGGCCCCAGCCAGGGCTAGATGACTTCTGCCAAGGC
AAAGCTGATGGGCTACCCCAACCCTACAGAAAAGTCCAGTTTCTACAGCTGTGGAGGGGGCGACTGT
TCCAGCACAGCTGCCCCAGGCCTGGTGTATTCGACTCTTGCAATGCTGTACCTGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216730 representing NM_001270847
 Red=Cloning site Green=Tags(s)

MVQSLALAGVTTLLMIQWGSAAKLCYFTNWAQYRSGAARFLPRDVPNLCTHVIYAFAGLNNHQVSTVE
 PNDELFYQELNSLKRRNPKLKTLAVGGWSFGTQKFTDMVATASTRQTFVNSALSFLRTHGFDGLDLDWE
 YPGSRGSPAVDKERFTALIQDLAKAFQEEARASGKSRLLLTAAVPTGRGHVDAGYEVDKIVQSLDFINLM
 AYDFHSSWDKTTGHNSPLYKRQGETGKDAEKNVDAAVTLWLQKGPASKLMLGMPAYGRSFTLASSSDSG
 VGAPATGPGAPGYPYTKKEGILVYFEVCSWKGQRIEDQKVPYVSQGNQWVGFDRESFRAKAAYVKQKGL
 GGAMVWILDGDDFKGSFCNEGQYPLIRTLHQELSLSSGPPRSPEQEVPGHPQSEPEQGPSPGLDDFCQG
 KADGLYPNTEKSSFYSCGGRLFQHSCPPGLVFIDSCCKCTWG

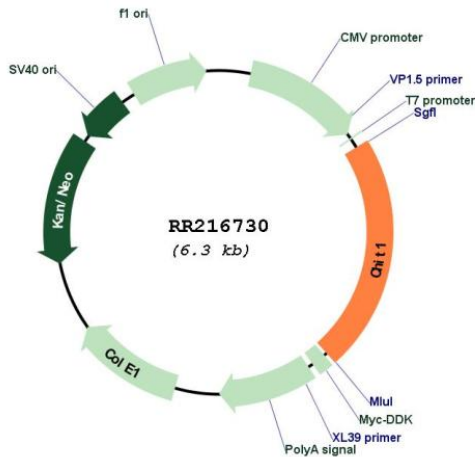
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001270847
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_001270847.1 , NP_001257776.1
RefSeq Size:	1734 bp
RefSeq ORF:	1395 bp
Locus ID:	289032
Cytogenetics:	13q13
MW:	50.8 kDa