

## Product datasheet for **RR216729**

### Chit1 (NM\_001270846) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Chit1 (NM\_001270846) 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: >RR216729 representing NM\_001270846  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTGCAGTCCCTGGCCTTGGCAGGTGTGACGACTCTGCTGATGATCCAGTGGGGCTCTGCTGCCAAAAC  
TGTTCTGCTACTCACCAACTGGGCCAGTACCGTCCGGGGCAGCTCGATTCTACCTAGGGATGTGGA  
TCCCAACCTGTGTACCCATGTCATCTATGCCTTTGCTGGACTGAACAACCACCAGGTGACTGTAGAG  
CCCAATGACGAGCTTTTCTACCAAGAGCTGAACAGCCTAAAGAAGAGGAACCCCAAGCTCAAGACCTGT  
TAGCCGTCGGGGGCTGGAGCTTTGGTACCCAGAAGTTCACAGACATGGTGGCCACAGCCAGCACCCGGCA  
GACCTTTGTCAACTCAGCTCTCTCGTTCCTGCGCACTCATGGTTTTGACGGCCTTGACCTTGACTGGGAA  
TACCCAGGAAGCCGAGGGAGCCAGCAGTAGACAAAGAGAGATTACAGCGCTGATACAGGATTTGGCCA  
AAGCCTTCAGGAGGAAGCCCGGCCCTCAGGAAAAGTCGCTCCTTCTGACTGCAGCTGTACCAACTGG  
TCGAGGCCATGTGGATGCTGGTTATGAGGTGGACAAGATTGTTTCAGAGTTTGGATTTTCATCAACCTTATG  
GCCTACGACTTCCACAGCTCCTGGGACAAGACCACAGGGCACAACAGCCCCCTACAAAAGGCAAGGAG  
AGACTGGGAAAGATGCTGAAAAAATGTGGATGCTGCTGTGACGCTCTGGCTGCAGAAGGGGACCCCTGC  
CAGCAAATGATGCTTGGCATGCCCGCCTACGGAGCTCCTTACCTTGGCTCCTCATCAGACAGTGGGA  
GTTGGGGCTCCAGCCACAGGACCTGGGGCCCCAGGCCCTATACTAAGGAAAAGGGGATACTGGTTTACT  
TTGAGGTCTGCTCCTGGAAGGAAAACAGAGAATCGAGGACCAGAAGGTGCCCTATGTCTCCAGGGCAA  
CCAATGGGTGGGATTTGATGACAGGGAAAGCTTCAGAGCCAAGGCTGCCTATGTGAAACAGAAGGGACTG  
GGAGGGGCCATGGTCTGGATTCTGGATGGGGATGACTTCAAAGTTCTTCTGCAACGAGGGCCAGTACC  
CTCTCATCCGGACACTACACCAGGAGCTGAGCCTTTCATCCGGCCCTCCAAGAAGCCAGAACAGGAAGT  
ACCTGGGCCACACCAGCCTTCTGAGCCCAGCAGGGCCCCAGCCAGGGCTAGATGACTTCTGCCAAGGC  
AAAGCTGATGGGCTCTACCCCAACCCTACAGAAAAGTCCAGTTTCTACAGCTGTGGAGGGGGCGACTGT  
TCCAGCACAGCTGCCCCAGGCCTGGTGTATTCGACTCTTGCAATGCTGTACCTGGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216729 representing NM\_001270846  
 Red=Cloning site Green=Tags(s)

MVQSLALAGVTTLLMIQWGSAAKLCYFTNWAQYRSGAARFLPRDVPNLCTHVIYAFAGLNNHQVSTVE  
 PNDELFYQELNSLKRRNPKLKTLAVGGWSFGTQKFTDMVATASTRQTFVNSALSFLRTHGFDGLDLDWE  
 YPGSRGSPAVDKERFTALIQDLAKAFQEEARASGKSRLLLTAAVPTGRGHVDAGYEVDKIVQSLDFINLM  
 AYDFHSSWDKTTGHNSPLYKRQGETGKDAEKNVDAAVTLWLQKGT PASKLMLGMPAYGRSFTLASSSDSG  
 VGAPATGPGAPGYPYTKKEGILVYFEVCSWKGQRIEDQKVPYVSQGNQWVGFDDRESFRAKAAYVKQKGL  
 GGAMVWILDGDDFKGSFCNEGQYPLIRTLHQELSLSSGPPRSPEQEVPGHPQSEPEQGPSPLDFFCQG  
 KADGLYPNTEKSSFYSCGGRLFQHSCPPGLVFIDSCCKCTWG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

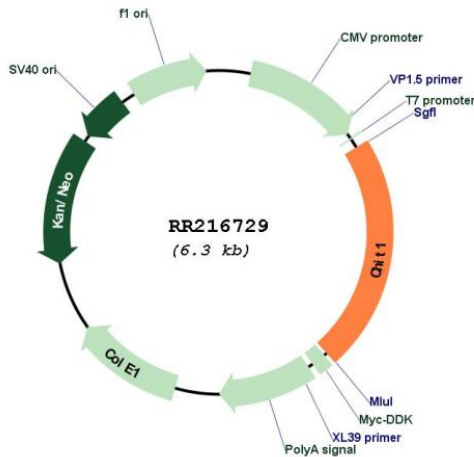
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001270846
<b>ORF Size:</b>	1392 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001270846.1</a> , <a href="#">NP_001257775.1</a>
<b>RefSeq Size:</b>	1835 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	289032
<b>Cytogenetics:</b>	13q13
<b>MW:</b>	50.8 kDa