

Product datasheet for **RR206258**

Chtf18 (NM_001105773) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chtf18 (NM_001105773) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chtf18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR206258 representing NM_001105773
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAAGACTACGAGGAAGATCTGTATGGTGTGGAGGATGACTTCCAAAATCAGTTCGCGGCCGAACCTCG
 AAGTGCTGGCGGAGCTGGAAGGAACAGGGGACCTGGCGCCTTCTGAGACCCTCCAGACTCCGGCGAGCCG
 CCCCCCGTGACCTTCGAAGAGGCCATCGCTGGTGGGACATTGTCCACGTCTTGCCTGCGAGGTCC
 TCAGGAAATGACAGCCGAATACCAAGAAATGTTCTAGGGACCAGCCGCGCCTCCAGCCCCATGG
 TCAAACGCGCCAGGTTGGACGTGGTGAAGAGGCTGAACCTCGAGCCAGATAAAGAGGAGCTCTGTACCC
 CGATTCTCCTCTGGGACATCAACCCCCACCGAGTCCAGAGGTCTTCCCTGAGATGTGGGATGCTGGG
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 GGCCCCCTGTCTAGAGGATTACATCAATGTGACGTCCACGTGTGGAGAGCGGGCCTTTTGGTGCTTCG
 GGCTGACCTCACAGGCACTGGGGTGCAGAACCATCTTCTGATGTCCAGTGGCGAGGCCGTGGCCAGCTG
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 AGGAGGCCCAACAGCTTTCAGACACTCTACATAGCCTCAGGTCTGAAGGGGAAGAGGCCATGCTTGAGGG
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 GTGACCACTTCTGAGGCGAGCATGAGAAGGTTGTGACGGGCTGTTTGACAACCTTCTACGCTGCGGC
 TTCGGGACTCCAGCCTGGGCACCGTGTGCTGTGCCCTTACTGGCTGGCCTTCGATGACCTGCTGGAACA
 GGCGGCCACACGGCCAGAGCTTTCAGCTGCTGCGTTACTTGCCCTTCTGCCGCGGCCTTCCACGTG
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 CCATGAGCAGCGCTAGAACACATCATGAAGAGAGCAGCGTGCAGGAGCAGCCTGAGAGGACTTCTTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206258 representing NM_001105773

Red=Cloning site Green=Tags(s)

MEDYEEDLYGVGEDDFQNFQAAEEVLAELEGTGLAPSETLQTPASRPPLTFEEAIAGGDIVPRPCPAGS
SGNDSRNRTRKNVRRDQAPSSPMVKRPRLDVVKRLNFEPDKEELLYPDSPPGDITPPSPPEVFPEMWDAG
PSDAGADNGLMQALPSRPNVLRPPVLEDYINVSTSCGERAFVLRLADLTGTGVQNHLPDVQWRGRGQL
DLLGVPFSLKEQVDNKRQRQLLEEAQQLSDTLHSLRSEGEAMLEGPPEEPPGPGQETAQHCLWVDEFA
PQHYTELLSDDFTNRCLLKWLLKWLWLVVFGHERPARKPRPGVEPTRVGKEAPAGKWKSSHEQVLEEMLEA
ELDPSRRPRQKVALLCGPPGLGKTTLAHVVARHAGYCVVEMNASDDRSPEAFRTIEAATQMESVLGAGG
RPNCLEVIDEGAPTAAINVLLSILNRKGPQEAEEGGTAVAAAGRRRRRAEGGLLTRPIICICNDQFTPS
LRQLKQQAALLHVPPTLPSRLVQRLQEISLQHGMRSDDPGALAAALCEKTDNDIRACINTLQFLYGRGQREL
SVKDVQTTTHVGLKDRQKGLFSVWQEVFQLPRAQRRLVGQDMLMPTHALLNDSDKGSLTLASQRFYHILR
VTTSSAGEHEKVVQGLFDNFLRLRLRDSSLGTVCALDWLAFDLDLLEQAAHHGQSFLRLRYLPFLPAAFHV
LFASSHVPRITFPSSQGEAQTRLSTQRNHQITLVSGMAPATRSRATPQALVFLDLCLLDLVSPKLRPVS
TQLYSAREKQALLSSLVGTMLAYSLLTYHQETPDGQLYRLEPNVEEVCRFELPARKPLTYQAKQLIARE
IEMEKMWRAELALWGTGGPQVDQGPSGANLRTDSGEKGTQAPRPNHQRLEHIMKRAAVQEQPERDF
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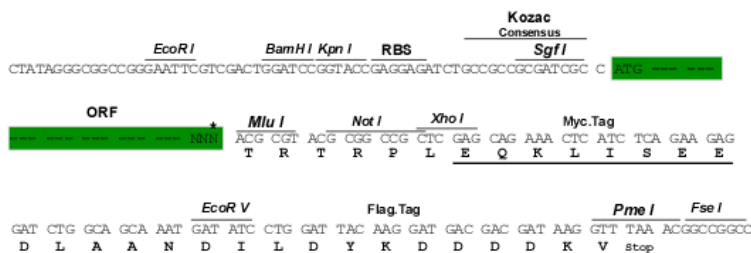
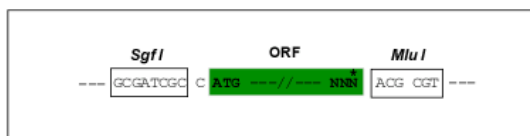
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



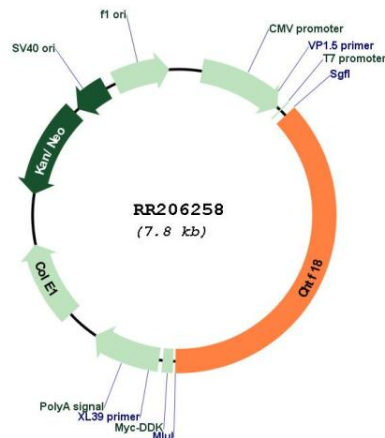
* The last codon before the Stop codon of the ORF

ACCN: NM_001105773

ORF Size: 2904 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:	<u>NM_001105773.1, NP_001099243.1</u>
RefSeq Size:	3100 bp
RefSeq ORF:	2907 bp
Locus ID:	287146
Cytogenetics:	10q12
MW:	108 kDa

Product images:



Circular map for RR206258