

Product datasheet for **RN216098**

Cthrc1 (NM_001271300) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cthrc1 (NM_001271300) Rat Untagged Clone
Tag: Tag Free
Symbol: Cthrc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216098 representing NM_001271300
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCACCCCAAGGCCGCGCCCTCCCCACAGCTGCTGCTCGGCCTCTCCTTGTGCTACTGCTGCTTC
TGCAGCTGTCCGCGCCGTCAGCGCCTCTGAGAATCCAAGTATAATGGGATGTGCCTACAAGGACCAGC
AGGAGTTCCTGGTCGCGATGGGAGCCCTGGGCCAATGGCATTCTGGCACACCGGAATCCCAGGTCGG
GATGGATTCAAAGGAGAGAAAGGGGAGTGCTTAAGGGAAAGCTTTGAGGAATCCTGGACCCAACTACA
AGCAGTGTTCATGGAGTTCACCTAATTATGGCATAGATCTTGGGAAAATTGCGGAATGTACATTCACAAA
GATGCGATCCAACAGCGCTCTTCGAGTTCTGTTCAAGTGGCTCGCTTCGGCTCAAATGCAGGAATGCTTGC
TGTCAACGCTGGTATTTACCTTAATGGAGCTGAATGTTCAAGGACCTCTCCATTGAAGCTATCATCT
ATCTGGACCAAGGAAGCCCTGAGTTAAATCAACTATTAATTCATCGTACTTCTCCGTGGAAGGACT
CTGTGAAGGGATTGGTGTGACTGGTAGACGTGGCCATCTGGGTCGGCACCTGTTGAGATTACCCCAA
GGAGACGCTTCTACTGGGTGGAATCTGTGTCCGCATCATCATTGAAGAATAACAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271300
Insert Size: 693 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



[View online »](#)

| | |
|-------------------------------|---|
| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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: | <u>NM_001271300.1</u> , <u>NP_001258229.1</u> |
| RefSeq Size: | 1171 bp |
| RefSeq ORF: | 693 bp |
| Locus ID: | 282836 |
| Cytogenetics: | 7q31 |
| Gene Summary: | <p>Its overexpression in smooth muscle cell lines increases their migratory ability and inhibits collagen type I expression. May act as a negative regulator of collagen matrix deposition. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |