

## Product datasheet for RC232211

### CTHRC1 (NM\_001256099) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: CTHRC1 (NM\_001256099) Human Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: CTHRC1  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RC232211 representing NM\_001256099  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGTGGCCCGCCAGGTAGGAGCATCACAGTCAAGCTACGGGAGAAAACAGTTTCCAGGAACTGGAAATGA  
ACGGCCCGAGTGCTTTCCAGGGGCTCATCTGTGGAAGTATAATGGAATGTGCTTACAAGGGCCAGCAGG  
AGTGCCTGGTCGAGACGGGAGCCCTGGGGCCAATGGCATTCCGGGTACACCTGGGATCCCAGGTCGGGAT  
GGATTCAAAGGAGAAAAGGGGAATGTCTGAGGAAAGCTTTGAGGAGTCCTGGACACCCAACTACAAGC  
AGTGTTCATGGAGTTCATTGAATTATGGCATAGATCTTGGGAAAATTGCGGAGTGTACATTTACAAAGAT  
GCGTTCAAATAGTCTCTAAGAGTTTTGTTCAAGTGGCTCACTTCGGCTAAAATGCAGAAATGCATGCTGT  
CAGCGTTGGTATTTACATTCATGGAGCTGAATGTTCCAGGACCTCTCCATTGAAGCTATAATTTATT  
TGGACCAAGGAAGCCCTGAAATGAATCAACAATTAATATTCATCGCACTTCTTCTGTGGAAGGACTTTG  
TGAAGGAATTGGTCTGGATTAGTGGATGTTGCTATCTGGGTTGGTACTTGTTCAGATTACCCAAAAGGA  
GATGCTTCTACTGGATGGAATTCAGTTTCTCGCATCATTATTGAAGAATAACAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232211 representing NM\_001256099  
Red=Cloning site Green=Tags(s)

MWPPGRSITVKLREKTVSRKLEMNGPSAFQGLICGKYNGMCLQGPAGVPRDGPANGIPGTPGIPGRD  
GFKGEKGECLRESFEESWTPNYQCSWSSLNYGIDLKIAECTFTKMRNSALRVLFSGLRLKCRNACC  
QRWYFTFNGAECGSLPIEAIIYLDQGSPEMNSTINIHRSSVEGLCEGIGAGLVDAIWWGTCSDDYPKG  
DASTGWNSVSRIIIIEELPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



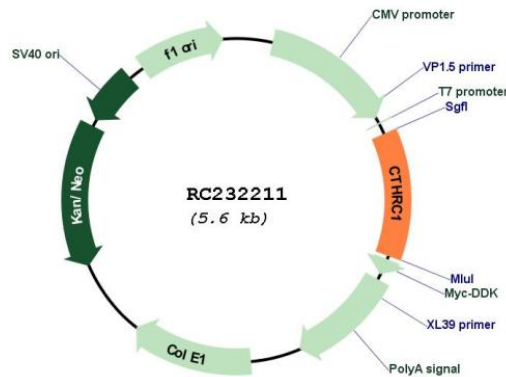
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001256099

ORF Size: 687 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.

<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>	<u>NM_001256099.2</u>
<b>RefSeq Size:</b>	1214 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	115908
<b>UniProt ID:</b>	<u>Q96CG8</u>
<b>Cytogenetics:</b>	8q22.3
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	25.2 kDa
<b>Gene Summary:</b>	This locus encodes a protein that may play a role in the cellular response to arterial injury through involvement in vascular remodeling. Mutations at this locus have been associated with Barrett esophagus and esophageal adenocarcinoma. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2012]