

Product datasheet for **RN205711**

Cthrc1 (NM_172333) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cthrc1 (NM_172333) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cthrc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205711 representing NM_172333 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCCCAAGGCCGCGCCCTCCCCACAGCTGCTGCTCGGCCTCTTCCTTGTGCTACTGCTGCTTC
TGCAGCTGTCCGCGCCGTCCAGCGCCTCTGAGAATCCCAAGGTGAAGCAAAAAGCGCTGATCCGGCAGAG
GGAAGTGGTAGACCTGTATAATGGGATGTGCCTACAAGGACCAGCAGGAGTTCCTGGTCGCGATGGGAGC
CCTGGGGCCAATGGCATTCTGGCACACCGGGAATCCCAGGTCGGGATGGATTCAAAGGAGAGAAAGGGG
AGTGCTTAAGGGAAAGCTTTGAGGAATCCTGGACCCCAAACAAGCAGTGTTTCATGGAGTTCACCTTAA
TTATGGCATAGATCTTGGGAAAATTGCGGAATGTACATTCACAAAGATGCGATCCAACAGCGCTCTTCGA
GTTCTGTTCAAGTGGCTCGCTTCGGCTCAAATGCAGGAATGCTTGCTGTCAACGCTGGTATTTTACCTTTA
ATGGAGCTGAATGTTCAAGACCTCTCCATTGAAGCTATCATCTATCTGGACCAAGGAAGCCCTGAGTT
AAATTCAACTATTAATATTCATCGTACTTCCCTCGTGAAGGACTCTGTGAAGGGATTGGTGTGGACTG
GTAGACGTGGCCATCTGGGTCGGCACCTGTTGAGATTACCCCAAAGGAGACGCTTCTACTGGGTGGAATT
CTGTGTCGCGCATCATCATTGAAGAACTACCAAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1626_e03.zip
Restriction Sites:	Sgfl-MluI
ACCN:	NM_172333
Insert Size:	738 bp



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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).
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_172333.1 , NP_758836.1
RefSeq Size:	1216 bp
RefSeq ORF:	738 bp
Locus ID:	282836
UniProt ID:	Q8CG08
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 (1) represents the longer transcript and encodes the longer 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>