

## Product datasheet for RC204348L2

### CTHRC1 (NM\_138455) Human Tagged Lenti ORF Clone

#### **Product data:**

# OriGene Technologies, Inc.

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Product Type:	Expression Plasmids		
Product Name:	CTHRC1 (NM_138455) Human Tagged Lenti ORF Clone		
Tag:	mGFP		
Symbol:	CTHRC1		
Mammalian Cell Selection:	None		
Vector:	pLenti-C-mGFP (PS100071)		
E. coli Selection:	Chloramphenicol (34 ug/mL)		
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly t	he same as(RC204348).	
<b>Restriction Sites:</b>	Sgfl-Mlul		
Cloning Scheme:			
	Cloning sites used for ORF Shuttling:		
	Sgf1 ORF Miu I GCG ATC GCC ATG // NNN ACG CGT -		
	Con	ozak Isensus	
	<u>EcoR I BamH I RBS</u> CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCG	Sgf I ORF CGATCGC C ATG	

 Mlu I
 Not I
 Xho I
 mGFP Tag

 T
 R
 T
 R
 T
 R

 T
 R
 T
 R
 P
 L
 L

 Min
 ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC
 GG GG GGC
 GG GG GGC
 C

 T
 R
 T
 R
 P
 L
 E

 M
 S
 G
 G

 Pme I
 C
 GG L
 R
 Stop

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_138455 729 bp

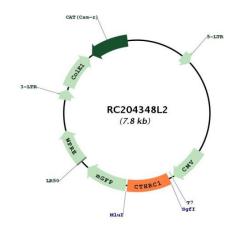


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	1 (NM_138455) Human Tagged Lenti ORF Clone – RC204348L2
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through 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. <u>More info</u>
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 138455.2, NP 612464.1</u>
RefSeq Size:	1279 bp
RefSeq ORF:	732 bp
Locus ID:	115908
UniProt ID:	<u>Q96CG8</u>
Cytogenetics:	8q22.3
Protein Families:	Secreted Protein
MW:	26.2 kDa
Gene Summary:	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]

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### **Product images:**



Circular map for RC204348L2

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