

## Product datasheet for **SC336553**

### HCE (RNGTT) (NM\_001286428) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HCE (RNGTT) (NM_001286428) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNGTT
Synonyms:	CAP1A; hCAP; HCE; HCE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC336553 representing NM\_001286428.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

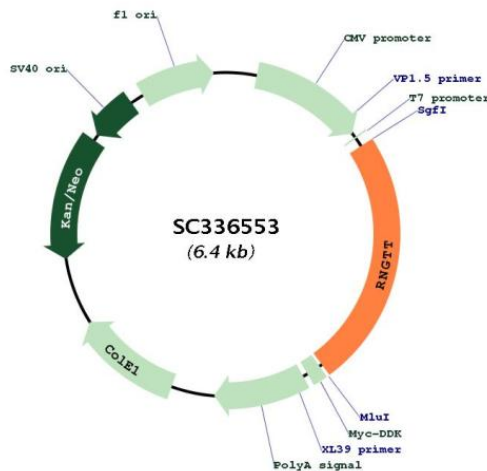
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ATCAAATATATAAACTTCAGTGTAAAGGACATGGTGTAGTCCCTACCACTGAGAATACTGAGACCTTT
ATTCGTCTGTGTGAGCGGTTAATGAAAGAAATCCACCTGAACCTATAGGTGTTCACTGTACTCATGGC
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CCCAAAGACCACGCCCTTAACTAAACCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:**

Sgfl-MluI

**Plasmid Map:**



**ACCN:**

NM\_001286428

<b>Insert Size:</b>	1545 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_001286428.1</a>
<b>RefSeq Size:</b>	4662 bp
<b>RefSeq ORF:</b>	1545 bp
<b>Locus ID:</b>	8732
<b>UniProt ID:</b>	<a href="#">O60942</a>
<b>Cytogenetics:</b>	6q15
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>MW:</b>	59.1 kDa
<b>Gene Summary:</b>	<p>Bifunctional mRNA-capping enzyme exhibiting RNA 5'-triphosphatase activity in the N-terminal part and mRNA guanylyltransferase activity in the C-terminal part. Catalyzes the first two steps of cap formation: by removing the gamma-phosphate from the 5'-triphosphate end of nascent mRNA to yield a diphosphate end, and by transferring the gmp moiety of GTP to the 5'-diphosphate terminus.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in its 5' UTR, lacks a portion of the 5' coding region, initiates translation at a downstream in-frame start codon, and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a.</p>