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Product datasheet for RC202229L3V

HCE (RNGTT) (NM_003800) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HCE (RNGTT) (NM_003800) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HCE
Synonyms:	CAP1A; hCAP; HCE; HCE1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003800
ORF Size:	1791 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202229).`
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.
RefSeq:	NM_003800.2
RefSeq Size:	4460 bp
RefSeq ORF:	1794 bp
Locus ID:	8732
UniProt ID:	O60942
Cytogenetics:	6q15
Domains:	mRNA_cap_C
Protein Families:	Druggable Genome, Phosphatase

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MW: 68.4 kDa

Gene Summary: 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]