

Product datasheet for RC233297

CENPS-CORT (NM_001270517) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPS-CORT (NM_001270517) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CENPS-CORT
Synonyms:	APITD1; APITD1-CORT; CENP-S; CENPS; FAAP16; MHF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233297 representing NM_001270517 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGAGGAGGCGGAGACCGAGGAGCAGCAGCGATTCTTTACCAACAGAGGCTAAAGGCAGCAGTTC
 ACTATACTGTGGTTGTCTTTGCGAGGAAGTTCATTGGACAAAGAGATGCAGTTCAGCAACAGACCAT
 TGCGGCCATTTTCGGAGCTGACTTTCCGACAGTGTGAAAATTTGCCAAAGACCTTGAATGTTTGAAGA
 CATGCGAAAAGAACCACAATTAACACTGAAGATGTGAAGCTCTTAGCCAGGAGGAGTAATTCAGTGCTAA
 AATACATCAGACAAAAGTGAAGAGATTGCTCAGATTAACTAGAACGAAAAGCACAGAAGAAAAGAA
 GTCAGAGGATGGAAGCAAAAATTCAGGCAGCCAGCAGAGGCTGGAGTGGTGAAAGTGAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC233297 representing NM_001270517 Red=Cloning site Green=Tags(s)
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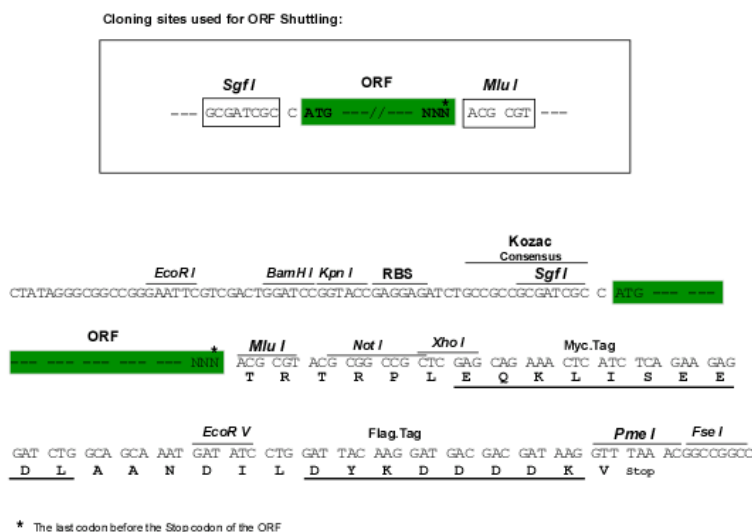
MEEAEETEEQRFQSYQRLKAAVHYTVGCLCEEVALDKEMQFSKQTIAAISELTFRQCENFAKDLEMFAR
 HAKRTTINTEDVKLLARRSNSLLKYITDKSEEIAQINLERKAQKKKSEDGSKNSRQPAEAGVVESEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN: NM 001270517

ORF Size: 414 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.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

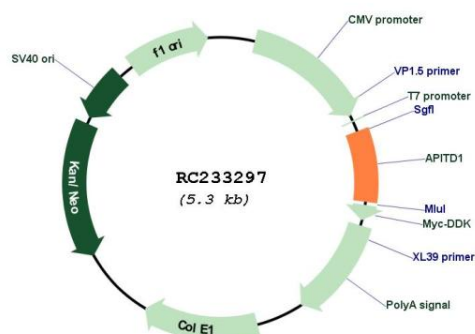
RefSeq: [NM_001270517.2](#)

RefSeq Size: 1496 bp

RefSeq ORF: 417 bp
 Locus ID: 100526739
 UniProt ID: [Q8N2Z9](#)
 Cytogenetics: 1p36.22
 MW: 16.3 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring APITD1 (apoptosis-inducing, TAF9-like domain 1) and CORT (cortistatin) genes. Alternative splicing results in multiple transcript variants, two of which encode fusion proteins that share sequence identity with the products of each individual gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC233297