

Product datasheet for RC225599

Centlein (CNTLN) (NM_001114395) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Centlein (CNTLN) (NM_001114395) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Centlein
Synonyms:	bA340N12.1; C9orf39; C9orf101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225599 representing NM_001114395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGTTGCGCTCCCTCACCGCACCCCTTCGCCCCAGCGCGACAGCTGGGCCCCAGGTCCCCAC
GTGTTGGCGGGGAGCTGAAGTACACGCAATGCGCAGCGAGGCCCTCGGGTTTTGCCGCGCAGCGCGGGA
GGTGGTCGCGGACGAAAGTGATAAAATCTGGGTGGGTGAAGAAGGGTCAGGGGCGCGCAGGGCCTGGG
GGGCAGCTCCGGCTCATGCTCCCCTCCTCAGCGGCCCATGGGGTCCAGACGGCTAGAGGGCATCTCGG
TAGAGGAGGCGATGGTGACCCGACGACGCTGCTGGAGGAAGAGCTGAGCAGCCTAAAGGAGGAGTTGGC
CCTGTGTCAGGCTGATAAAGAATTTGTATGGTCTTTGTGAAACGCTCCAGGTTACAAACCCAGATCTC
ACACAAGTGGTCAGTTTGGTTGTGGAAAGAAAAACAGAAATCTGAAGCTAAAGACAGAAAAGTTCTAG
AAATCTGCAAGTCAAGGATGCCAAAATACAAGAATTTGAACAGAGAGAGTCACTGAAACAGGAAAT
AAATGACCTTGTAAAACGGAAAATTGCAGTAGATGAAGAAAATGCTTTCTAAGGAAAGAATTCAGTGAC
TTGGAGAAGAAAATTAAGATAAAAGTCAAGAAATTAAGGACACTAAGGAGTGTGTACAGAAACAAAGAAG
AGCAAAACAGACTAGTTATAAAAAATCTGGAGGAGGAAAACAAGAAATTAAGTACCCGCTGCACTGACCT
GCTAAATGACCTGGAGAAATTAAGACAATTTAATGAAGCAAGGAAAGAAAGTTGAAGTATCAGAGTAAATACA
AAAATAAAGACCTTTGAAGACAATTTAATGAAGCAAGGAAAGAAAGTTGAAGTATCAGAGTAAATACA
ATGCTCTATCATTACAGTTGAGTAATAAACAGACTGAACCTATCCAGAAGGATATGGATATTACCTGGT
CAGGAAGGAACTGCAGGAGCTGCAGAATCTTTACAAACAGAACAGTACACATACAGCCAGCAAGCAGAG
CTGATCCAGCAGCTTCAGGTTCTCAATATGGACACACAAAAAGTACTGAGAAATCAGGAAGATGTTACACA
CAGCTGAAAGTATATCATATCAAAAAGTATGCTTTTATTCTGTAATAAAGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC225599 representing NM_001114395
Red=Cloning site Green=Tags(s)

MAARSPSPHPSPPARQLGPRSPRVGRGAEVHAMRSEASGFAGAAREVVADESDKIWVGEEGSGRRRPG
 GAAPAHAPLLSAPMGSRRLLEGISVEEAMVTRTQLLEELSSLKEELALCQADKEFVWSLWKRLQVTNPDL
 TQVVSLLVEREKQKSEAKDRKVLILQVKDAKIQEFQRESVLKQEIINDLVKRKIAVDEENAFLRKEFSD
 LEKKFKDKSQEIKDTKECVQNKKEEQNRLVIKNLEENKKLSTRCTDLLNDLEKLRKQEAHLRKEKYSTDA
 KIKTFEDNLEIARKEVEVSQSKYNALSLQLSNKQTELIQKMDITLVRKELQELQNLKQNSTHTAQQAE
 LIQQLQLNMDTQKVLNRNQEDVHTAESISYQKVCFYSVIKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001114395

ORF Size: 1173 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.

RefSeq: [NM_001114395.3](#)

RefSeq ORF: 1176 bp

Locus ID: 54875

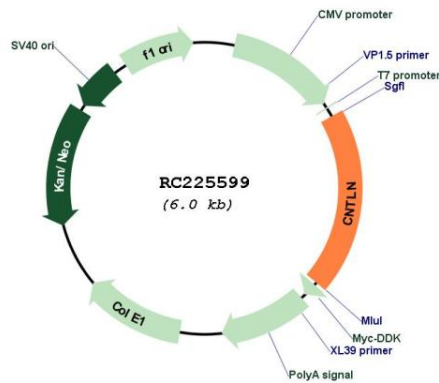
UniProt ID: [Q9NXG0](#)

Cytogenetics: 9p22.2

MW: 44.4 kDa

Gene Summary: Required for centrosome cohesion and recruitment of CEP68 to centrosomes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225599