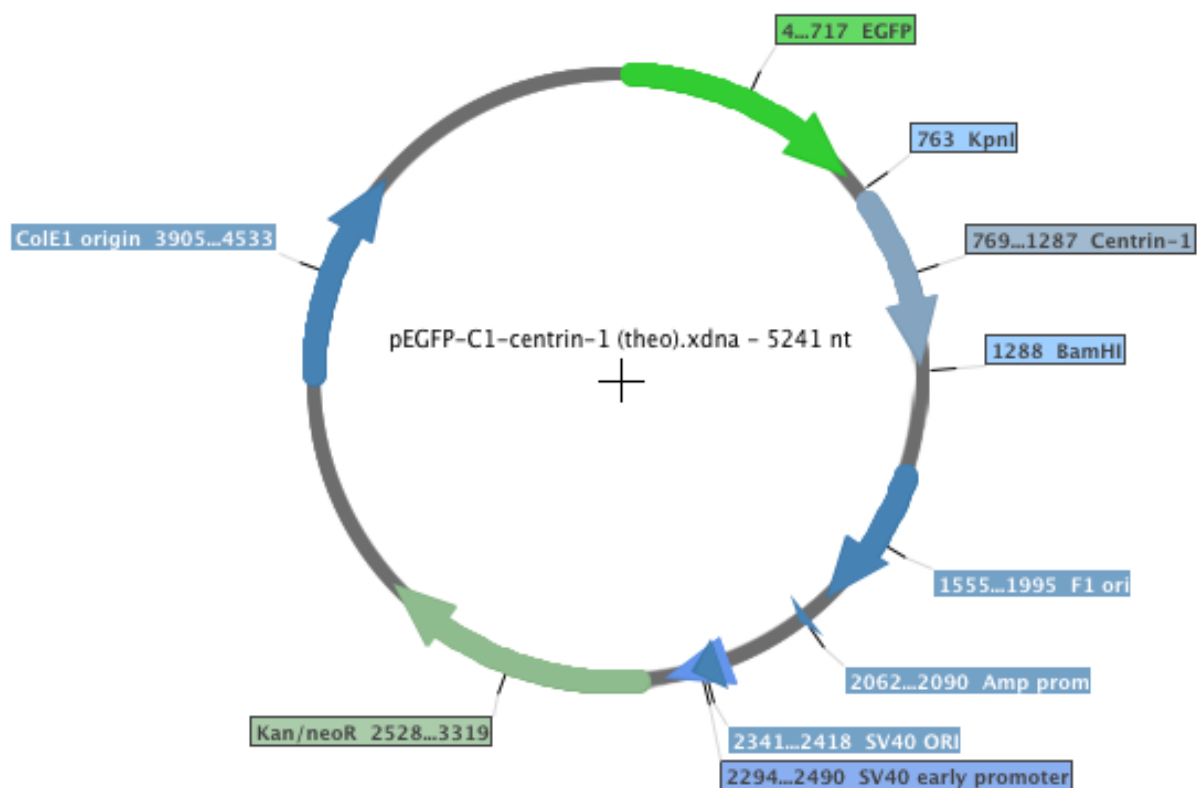


pEGFP-C1-centrin-1

Plasmid Details	
Species	<i>Homo sapiens</i>
Gene	Centrin-1 (CETN1)
Genbank Accession Number	NM_004066.1
Insert Length	519 bp
Insert Cloning Sites 5'-3'	<i>Kpn I</i> --- <i>BamH I</i>
Vector Backbone	pEGFP-C1 (Clontech)
Antibiotic Resistance	Kanamycin/Neomycin
Vector Cloning Sites 5'-3'	<i>Kpn I</i> --- <i>BamH I</i>
Cloning Sites Destroyed	No
Tag Orientation	EGFP at N-terminus of CETN1
Safety Risks	Level 2



Cloning Procedure

The centrin-1 coding sequence was amplified from cDNA by PCR using primers that incorporated *Kpn I* and *BamH I* sites at the 5' and 3' ends of the PCR product, respectively. The resulting PCR product was cloned into the same sites in the vector pEGFP-C1 (Clontech). This vector was created by Yann Abraham in the laboratory of Michel Bornens and re-sequenced on the 13.07.15 to verify the sequence.

Plasmid Sequence

Sequence Details	
EGFP	Green
Restriction sites	Yellow
Centrin-1 coding sequence	Blue

ATGGTGAGCAAGGGCGAGGAGCTGTTACCGGGGTGTTGCCATCCTGGTCGAGCTGGACGGCGACGTAACCGGCCACAA
GTTACAGCGTGTCCGGCGAGGGCGATGCCACCTACGGCAAGCTGACCCTGAAGTTCATCTGCACCACCGGCAAGC
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