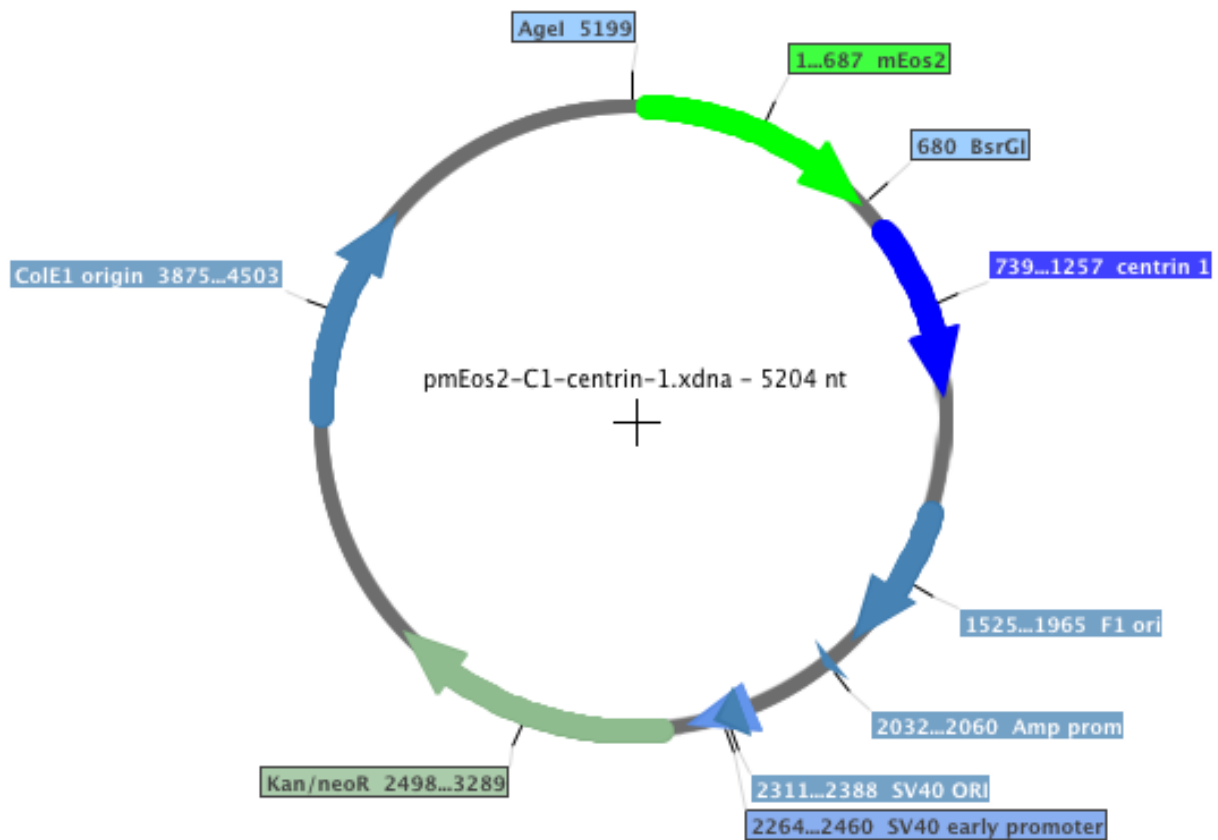


pmEos2-C1-centrin-1

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	pmEos2-1 (modified Clontech)
Antibiotic Resistance	Kanamycin/Neomycin
Vector Cloning Sites 5'-3'	<i>Kpn I</i> --- <i>BamH I</i>
Cloning Sites Destroyed	No
Tag Orientation	mEos2 at N-terminus of centrin-1
Safety Risks	Level 2



Cloning Procedure

Digested the plasmid pEGFP-C1-CETN1 generated by Yann ABRAHAM with *Age I* and *BsrG I* to release the EGFP coding sequence and replaced it with mEos2 amplified by PCR with primers incorporating *Age I* and *BsrG I* sites at the 5' and 3' ends, respectively. Sequenced the mEos2 open reading frame to verify the accuracy of the amplifying enzyme.

Plasmid Sequence

Sequence Details	
mEos2	Green
Restriction sites	Yellow
Centrin-1 coding sequence	Blue

ATGAGTGCATTAAAGCCAGACATGAAGATCAAACCTCCGTATGGAAGGCAACGTAAACGGGCACCACCTTTGTGATCGACGG
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