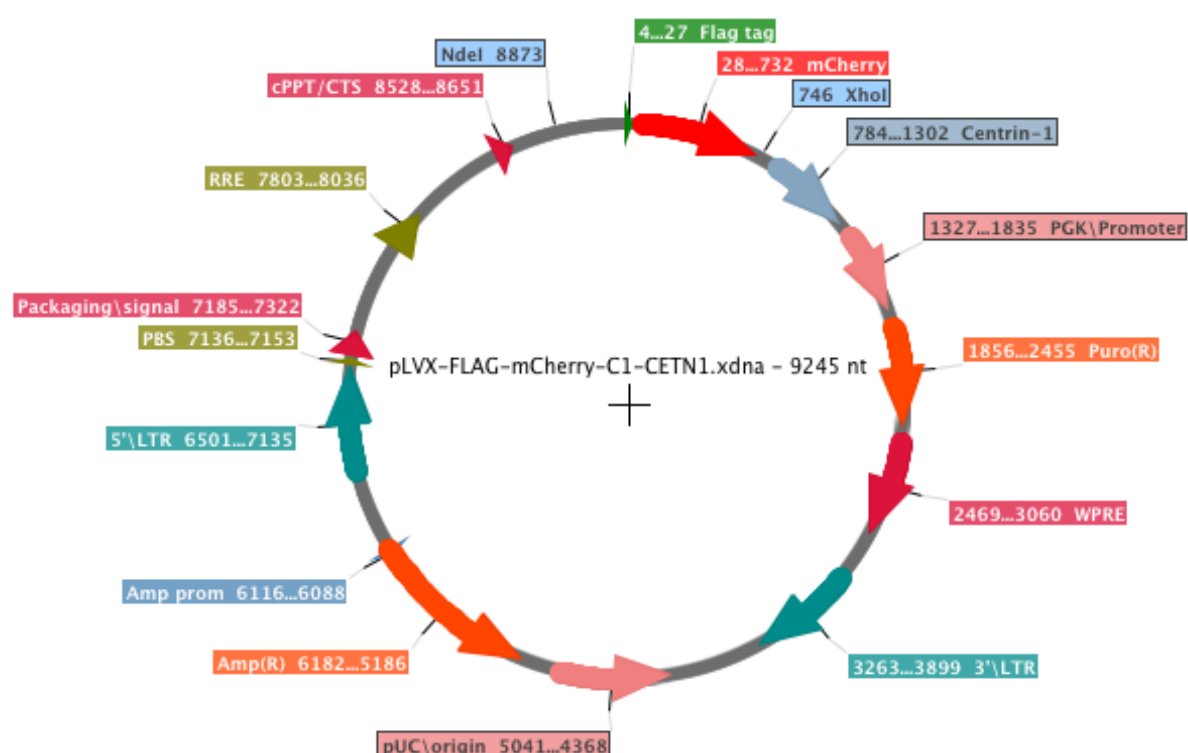


pLVX-FLAG-mCherry-C1-centrin-1

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>Nde I</i> --- <i>Xho I</i>
Vector Backbone	pLVX-FLAG-mCherry-C1 (Clontech)
Antibiotic Resistance	Ampicillin/Puromycin
Vector Cloning Sites 5'-3'	<i>Nde I</i> --- <i>Xho I</i>
Cloning Sites Destroyed	No
Tag Orientation	FLAG & mCherry at N-terminus of CETN1
Safety Risks	2



Cloning Procedure

Digested pFLAG-mCherry-C1 with *Nde I* and *Xho I* to release the FLAG-mCherry coding sequence and part of the CMV promoter. Substituted FLAG-mCherry sequence for EGFP in pLVX-EGFP-C1-centrin1 that had been digested with *Nde I* and *Xho I*.

Vector sequence

Sequence Details	
FLAG	Purple
mCherry	Red
Restriction sites	Yellow
Centrin-1 coding sequence	Blue

ATGGATTACAAGGATGACGACGATAAGGTGAGCAAGGGCGAGGAGGATAACATGGCCATCATCAAGGAGTTCATGCGCTT

CAAGGTGCACATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAGGGCGAGGGCCGCCCTACGAGGGCA
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