

LOCUS pCAG-MitoRlucN-T2A-RlucCER-IRES-mCherry 7428 bp DNA
 circular SYN 23-APR-2024
 DEFINITION .
 ACCESSION .
 VERSION .
 KEYWORDS .
 SOURCE synthetic DNA construct
 ORGANISM synthetic DNA construct
 REFERENCE 1 (bases 1 to 7428)
 AUTHORS Ginam Cho
 TITLE Direct Submission
 JOURNAL Exported Apr 23, 2024 from SnapGene Viewer 7.2.0
<https://www.snapgene.com>
 COMMENT Sequence Label: pCAG-MitoRlucN-T2A-RlucCER-IRES-mCherry
 COMMENT Alias: pCAG_split-Rluc_T2A_mCherry
 FEATURES Location/Qualifiers
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 /mol_type="other DNA"
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 /note="human cytomegalovirus immediate early
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 /note="color: #ffffff"
 primer_bind 4..47
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 promoter 386..661
 /label=chicken beta-actin promoter
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 intron 662..1670
 /label=chimeric intron
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 actin and
 rabbit beta-globin"
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 /label=mitoF
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 2022-11-22"
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 RDPPVAT"

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 complement(2161..2185)
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 capsid protein"
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 /note="Eukaryotic ribosomes fail to insert a
 peptide bond between the Gly and Pro residues, yielding
 separate polypeptides."
 /note="color: #cc99b2"
 Cleavage site after base 2248"
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 2022-11-22"
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IESDPGFFSNAIVEGAKKFPNTEFVKVKGLHFLQEDAPDEMGKYIKSFVERVLKNEQAS
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            2918..2947
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epitope tag"
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added:
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            /note="This feature has 3 segments:
                1: 3069 .. 3643 / #ccffff
                2: 3644 .. 3646 / #a6acb3 / ATG
                3: 3647 .. 3655 / #a6acb3"
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2022-09-01"
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            /note="color: black; sequence:
            gggttggtggccatattatcatcg"
    regulatory 3653..3659
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            /note="vertebrate consensus sequence for strong
initiation

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of translation (Kozak, 1987)"
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/regulatory_class="other"
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fluorescent protein    (Shaner et al., 2004)"
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GEIKQRLKLKDGGHYDAEVKTTYKAKKPVLPGAYNVNIKLDITSHNEDYTIVEQYERA
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polyA_site 4517..4572
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          /note="rabbit beta-globin polyadenylation signal"
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rep_origin complement(5678..6266)
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origin of replication"
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related antibiotics"
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  2: 7229 .. 7297 / #ccffcc / signal sequence
Cleavage site after base 7228"
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      ggctgaccgc
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