

pUC57-2A vector

Catalogue number: 158344

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pUC57-2A vector

Alternate name:

Class:

Conjugate:

Description: The two reporter sequences (for GTS-mCherry and H2B-GFP) are linked by the 2A self-cleaving peptide to allow expression of stoichiometric amounts of both fluorescent reporters. The 2A peptide-linked multicistronic vectors can be used to express multiple proteins from a single open reading frame (ORF). The small 2A peptide sequence, when cloned between genes, allows for efficient, stoichiometric production of discrete protein products within a single vector through a novel "cleavage" event within the 2A peptide sequence. 2A peptides are between 18-22 amino acids in length and have divergent amino-terminal sequences, (minimising the chance for homologous recombination. For more information see reference PMID: 22301656

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: The two reporter sequences (for GTS-mCherry and H2B-GFP) are linked by the 2A self-cleaving peptide to allow expression of stoichiometric amounts of both fluorescent reporters. The 2A peptide-linked multicistronic vectors can be used to express multiple proteins from a single open reading frame (ORF). The small 2A peptide sequence, when cloned between genes, allows for efficient, stoichiometric production of discrete protein products within a single vector through a novel "cleavage" event within the 2A peptide sequence. 2A peptides are between 18-22 amino acids in length and have divergent amino-terminal sequences, (minimising the chance for homologous recombination. For more information see reference PMID: 22301656

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions:

Related tools

Related tools: pUC57-GNrep vector ; pME-GNrep vector

References

References: Carvalho et al. 2019. Elife. 8:. PMID: 31246175.