

pAAV.Syn.Flex.NES-jRGECO1a.WPRE.SV40 vector

Catalogue number: 154061

Sub-type: pAAV

Images:

Contributor

Inventor:

Institute: Howard Hughes Medical Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pAAV.Syn.Flex.NES-jRGECO1a.WPRE.SV40 vector

Alternate name:

Class:

Conjugate:

Description: The red single-wavelength genetically encoded calcium indicator (GECI), based on mApple (jRGECO1a), with sensitivity comparable to the GFP-based GCaMP6. The red GECI tool was tested in cultured neurons and in mouse, Drosophila, zebrafish and C. elegans. This plasmid has a Cre recombinase-activated jRGECO1a expressed from the Synapsin promoter.

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: The red single-wavelength genetically encoded calcium indicator (GECI), based on mApple (jRGECO1a), with sensitivity comparable to the GFP-based GCaMP6. The red GECI tool was tested in cultured neurons and in mouse, Drosophila, zebrafish and C. elegans. This plasmid has a Cre recombinase-activated jRGECO1a expressed from the Synapsin promoter.

Target details

Target: jRGECO1a

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions:

Related tools

Related tools:

References

References: Chen et al. 2013. Nature. 499(7458):295-300. PMID: 23868258. ; Ultrasensitive fluorescent proteins for imaging neuronal activity.

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