

pAAV.CAG.Flex.GCaMP6f.WPRE.SV40 vector

Catalogue number: 154059

Sub-type: pAAV

Images:

Contributor

Inventor:

Institute: Howard Hughes Medical Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pAAV.CAG.Flex.GCaMP6f.WPRE.SV40 vector

Alternate name:

Class:

Conjugate:

Description: Ultrasensitive protein-activated calcium sensors (GCaMP6) detect action potentials in cultured neurons and in zebrafish, flies and mice. There are three ultrasensitive GCaMP6 sensors GCaMP6s, 6m, 6f; for slow, medium and fast kinetics, respectively. With the more sensitive sensors having slower kinetics. This is a Cre recombinase-activated GCaMP6f expressed from the CAG promoter with fast kinetics.

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: Ultrasensitive protein-activated calcium sensors (GCaMP6) detect action potentials in cultured neurons and in zebrafish, flies and mice. There are three ultrasensitive GCaMP6 sensors GCaMP6s, 6m, 6f; for slow, medium and fast kinetics, respectively. With the more sensitive sensors having slower kinetics. This is a Cre recombinase-activated GCaMP6f expressed from the CAG promoter with fast kinetics.

Target details

Target: GCaMP6f

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.

CancerTools.org