

pAAV.Syn.GCaMP6m.WPRE.SV40 vector

Catalogue number: 154053

Sub-type: pAAV

Images:

Contributor

Inventor:

Institute: Howard Hughes Medical Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pAAV.Syn.GCaMP6m.WPRE.SV40 vector

Alternate name:

Class:

Conjugate:

Description: Ultrasensitive protein calcium sensors (GCaMP6) detects 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 GCaMP6m is expressed from the Synapsin promoter with medium 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 proteinâ calciumâ sensors (GCaMP6) detects 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.â This GCaMP6m is expressed from the Synapsin promoter with medium kinetics.

Target details

Target: GCaMP6m

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: Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. ; Akerboom et al. 2013. Front Mol Neurosci. 6:2. PMID: 23459413.

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