

pRSET-RCaMP1h vector

Catalogue number: 154537

Sub-type: pRSETa

Images:

Contributor

Inventor:

Institute: Howard Hughes Medical Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: pRSET-RCaMP1h vector

Alternate name:

Class:

Conjugate:

Description: A vector expressing a single-wavelength red-shifted genetically encoded calcium indicator constructed from calmodulin and cp-mRuby. Gene/Insert name: Red Fluorescent Calcium binding Protein Alt name: RCaMP1.035 Alt name: RCaMP181 Species: R. norvegicus (rat), Synthetic Insert Size (bp): 1329 Promoter: T7 Tags / Fusion Proteins: -Xpress[®], Φ epitope (N terminal on insert)-EK (Enterokinase) Recognition Site (N terminal on insert)-His Tag (6x) (N terminal on insert)

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: A vector expressing a single-wavelength red-shifted genetically encoded calcium indicator constructed from calmodulin and cp-mRuby. Gene/Insert name: Red Fluorescent Calcium binding ProteinAlt name: RCaMP1.035Alt name: RCaMP181Species: R. norvegicus (rat), SyntheticInsert Size (bp): 1329Promoter: T7Tags / Fusion Proteins:-Xpressâ„¢ epitope (N terminal on insert)-EK (Enterokinase) Recognition Site (N terminal on insert)-His Tag (6x) (N terminal on insert)

Target details

Target: RCaMP181

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: Paez-Segala et al. 2015. Nat Methods. 12(3):215-8, 4 p following 218. PMID: 25581799.
; Fixation-resistant photoactivatable fluorescent proteins for CLEM.

CancerTools.org