

# Resource Summary Report

Generated by [RRID](#) on Aug 28, 2026

## pUASTLOTattB\_mCherry::Nrv1::vhGFP4

RRID:Addgene\_163926

Type: Plasmid

### Proper Citation

RRID:Addgene\_163926

### Plasmid Information

**URL:** <http://www.addgene.org/163926>

**Proper Citation:** RRID:Addgene\_163926

**Insert Name:** Fusion of vhhGFP4 (intracellular) nanobody with Nrv1 protein and mCherry fluorophor

**Organism:** Drosophila melanogaster

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:28395731](#)

**Vector Backbone Description:** Backbone Marker:Kanca, O. et.al., Raeppli: a whole-tissue labeling tool for live imaging of Drosophila development. Development (2014); Backbone Size:8900; Vector Backbone:pUASTLOTattB; Vector Types:Insect Expression, Cre/Lox; Bacterial Resistance:Ampicillin

**Comments:** To generate a basolateral GrabFP construct that exposes the nanobody to the cytosol we started with the GrabFP-BExt plasmid. The tagBFP sequence was replaced by the vhhGFP4 sequence and the original vhhGFP4 sequence was exchanged with an mCherry coding sequence. pUASTLOTattB vector: Kanca, O., Caussinus, E., Denes, A. S., Percival-Smith, A. & Affolter, M. Raeppli: a whole-tissue labeling tool for live imaging of Drosophila development. Development 141, 472–480 (2014). vhhGFP4 plasmid: Saerens D, Pellis M, Loris R, Pardon E, Dumoulin M, Matagne A, Wyns L, Muyldermans S, Conrath K J Mol Biol. 2005 Sep 23; 352(3):597-607. mCherry: Clontech

**Plasmid Name:** pUASTLOTattB\_mCherry::Nrv1::vhGFP4

**Record Creation Time:** 20220422T221927+0000

**Record Last Update:** 20260815T080916+0000

### Ratings and Alerts

No rating or validation information has been found for pUASTLOTattB\_mCherry::Nrv1::vhhGFP4.

No alerts have been found for pUASTLOTattB\_mCherry::Nrv1::vhhGFP4.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.