

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 29, 2026

pUASTLOTattB_mCherry::Nrv1::vhhGFP4

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::vhhGFP4

Record Creation Time: 20220422T221927+0000

Record Last Update: 20260829T075911+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.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.