

Resource Summary Report

Generated by [NIF](#) on Jul 28, 2026

pmCherry-C1-FAK-HA

RRID:Addgene_35039

Type: Plasmid

Proper Citation

RRID:Addgene_35039

Plasmid Information

URL: <http://www.addgene.org/35039>

Proper Citation: RRID:Addgene_35039

Insert Name: focal adhesion kinase

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20150423](#)

Vector Backbone Description: Backbone Marker:BD Clontech; Backbone Size:4700; Vector Backbone:pmCherry-c1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Please note that Addgene's sequencing result identified a Y42H mutation when compared to the full plasmid sequence provided by the depositing laboratory and to GenBank entry NP_032008.2. The final two FAK amino acids are missing in this construct, as the original source for the FAK construct used in this plasmid was originally missing these same amino acids. The depositing laboratory states that the deletion should not affect any FAK function since it is outside of the FAK primary sequence. Addgene's sequencing results also identified a deletion region from bp#4553-4588 when compared to the full plasmid sequence provided by the depositing laboratory. This indicates that the restriction sites KpnI (4561), SacII (4564) and ApaI (4569) are not present in the vector.

Plasmid Name: pmCherry-C1-FAK-HA

Relevant Mutation: Y42H; deletion of amino acids 1051 & 1052

Record Creation Time: 20220422T222149+0000

Record Last Update: 20260725T074605+0000

Ratings and Alerts

No rating or validation information has been found for pmCherry-C1-FAK-HA.

No alerts have been found for pmCherry-C1-FAK-HA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

McKenzie AJ, et al. (2020) Protein kinase A activity is regulated by actomyosin contractility during cell migration and is required for durotaxis. *Molecular biology of the cell*, 31(1), 45.

Heim JB, et al. (2017) Myosin-1E interacts with FAK proline-rich region 1 to induce fibronectin-type matrix. *Proceedings of the National Academy of Sciences of the United States of America*, 114(15), 3933.

Nakazawa N, et al. (2016) Matrix mechanics controls FHL2 movement to the nucleus to activate p21 expression. *Proceedings of the National Academy of Sciences of the United States of America*, 113(44), E6813.