

Resource Summary Report

Generated by [kravitz2](#) on Sep 2, 2026

pEX-CMV-SP-YFP-STM2(15-746) EF hand D80A

RRID:Addgene_18864

Type: Plasmid

Proper Citation

RRID:Addgene_18864

Plasmid Information

URL: <http://www.addgene.org/18864>

Proper Citation: RRID:Addgene_18864

Insert Name: Stromal interaction molecule 2

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:18160041](#)

Vector Backbone Description: Backbone Size:0; Vector Backbone:Gateway destination vector; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: STIM2 also has P38L, V222I, and E575V, as described in the paper's supplemental material. These mutations do not affect function.

Plasmid Name: pEX-CMV-SP-YFP-STM2(15-746) EF hand D80A

Relevant Mutation: EF hand mutant: D80A. YFP inserted between signal peptide(SP) of STIM1 and residues 15-746 of STIM2 (Lab plasmid WS5183)

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260902T043304+0000

Ratings and Alerts

No rating or validation information has been found for pEX-CMV-SP-YFP-STM2(15-746) EF hand D80A.

No alerts have been found for pEX-CMV-SP-YFP-STM2(15-746) EF hand D80A.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Nieto-Felipe J, et al. (2025) Feedback modulation of Orai1? and Orai1? protein content mediated by STIM proteins. Journal of cellular physiology, 240(1), e31450.