

# Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 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:** 20260808T081346+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.