

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

MO70 Orai1 E190Q

RRID:Addgene_21662

Type: Plasmid

Proper Citation

RRID:Addgene_21662

Plasmid Information

URL: <http://www.addgene.org/21662>

Proper Citation: RRID:Addgene_21662

Insert Name: Orai1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17293345](#)

Vector Backbone Description: Backbone Size:7480; Vector Backbone:MO70; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: See author's map for image of empty MO70 vector (MO70 contains IRES-GFP after the multiple cloning site).

Plasmid Name: MO70 Orai1 E190Q

Relevant Mutation: E190Q

Record Creation Time: 20220422T222056+0000

Record Last Update: 20260725T074426+0000

Ratings and Alerts

No rating or validation information has been found for MO70 Orai1 E190Q.

No alerts have been found for MO70 Orai1 E190Q.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Eltit JM, et al. (2013) Nonspecific sarcolemmal cation channels are critical for the pathogenesis of malignant hyperthermia. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 27(3), 991.

Li H, et al. (2010) Impaired Orai1-mediated resting Ca^{2+} entry reduces the cytosolic $[\text{Ca}^{2+}]$ and sarcoplasmic reticulum Ca^{2+} loading in quiescent junctophilin 1 knock-out myotubes. The Journal of biological chemistry, 285(50), 39171.