

Resource Summary Report

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Plasmids for Multiplexed Optical Sensors Arrayed in Islands of Cells (MOSAIC)

RRID:Addgene_1000000175

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <https://www.addgene.org/kits/cohen-mosaic>

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Vector Backbone Description: Vector Types:Gateway Cloning, Lentiviral, Mammalian Expression

Comments: pMOS003: GCaMP_{er} calcium sensor (endoplasmic reticulum) (Addgene #163047), pMOS005: superecliptic pHluorin (cytosolic) (Addgene #163049), pMOS007: PercevalHR ATP/ADP sensor (cytosolic) (Addgene #163061), pMOS008: GCaMP6F calcium sensor (cytosolic) (Addgene #163045), pMOS008E: Entry vector for: GCaMP6F calcium sensor (cytosolic) (Addgene #163064), pMOS009: QuasAr2-mOrange2 voltage sensor (plasma membrane) (Addgene #163043), pMOS009E: Entry vector for: QuasAr2-mOrange2 voltage sensor (plasma membrane) (Addgene #163062), pMOS010: CheRiff-eGFP channelrhodopsin (plasma membrane) (Addgene #163044), pMOS010E: Entry vector for: CheRiff-eGFP channelrhodopsin (plasma membrane) (Addgene #163063), pMOS011: superecliptic pHluorin (mitochondrial) (Addgene #163050), pMOS011E: Entry vector for: superecliptic pHluorin (mitochondrial) (Addgene #163067), pMOS012: Grx1-roGFP1-iE_{ER} glutathione redox sensor (endoplasmic reticulum) (Addgene #163057), pMOS012E: Entry vector for: Grx1-roGFP1-iE_{ER} glutathione redox sensor (endoplasmic reticulum) (Addgene #163074), pMOS013: mito-roGFP2-Grx1 glutathione redox sensor (mitochondrial) (Addgene #163056), pMOS013E: Entry vector for: mito-roGFP2-Grx1 glutathione redox sensor (mitochondrial) (Addgene #163073), pMOS014: Grx1-roGFP2 glutathione redox sensor (cytosolic) (Addgene #163055), pMOS014E: Entry vector for: Grx1-roGFP2 glutathione redox sensor (cytosolic) (Addgene #163072), pMOS015: mito-roGFP2-Orp1 H₂O₂ oxidation sensor (mitochondrial) (Addgene #163059), pMOS015E: Entry vector for: mito-roGFP2-Orp1 H₂O₂ oxidation sensor (mitochondrial) (Addgene #163076), pMOS016: roGFP2-Orp1 H₂O₂ oxidation sensor (cytosolic) (Addgene #163058), pMOS016E: Entry vector for: roGFP2-Orp1 H₂O₂ oxidation sensor (cytosolic) (Addgene #163075), pMOS017: ratiometric pHluorin (cytosolic) (Addgene #163052),

pMOS017E: Entry vector for: ratiometric pHluorin (cytosolic) (Addgene #163069), pMOS018: ratiometric pHluorin (mitochondrial) (Addgene #163053), pMOS018E: Entry vector for: ratiometric pHluorin (mitochondrial) (Addgene #163070), pMOS019: ClopHensorN chloride sensor (cytosolic) (Addgene #163048), pMOS019E: Entry vector for: ClopHensorN chloride sensor (cytosolic) (Addgene #163066), pMOS023: Peredox NADH/NAD⁺ sensor (cytosolic) (Addgene #163060), pMOS023E: Entry vector for: Peredox NADH/NAD⁺ sensor (cytosolic) (Addgene #163077), pMOS028: Mitycam calcium sensor (mitochondrial) (Addgene #163046), pMOS028E: Entry vector for: Mitycam calcium sensor (mitochondrial) (Addgene #163065), pMOS030: ratiometric pHluorin (endoplasmic reticulum) (Addgene #163054), pMOS030E: Entry vector for: ratiometric pHluorin (endoplasmic reticulum) (Addgene #163071), pMOS031: superecliptic pHluorin (endoplasmic reticulum) (Addgene #163051), pMOS031E: Entry vector for: superecliptic pHluorin (endoplasmic reticulum) (Addgene #163068)

Plasmid Name: Plasmids for Multiplexed Optical Sensors Arrayed in Islands of Cells (MOSAIC)

Record Creation Time: 20260520T214957+0000

Record Last Update: 20260919T085636+0000

Ratings and Alerts

No rating or validation information has been found for Plasmids for Multiplexed Optical Sensors Arrayed in Islands of Cells (MOSAIC).

No alerts have been found for Plasmids for Multiplexed Optical Sensors Arrayed in Islands of Cells (MOSAIC).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.