

# pRSETa\_ mEos4a vector

**Catalogue number:** 154046

**Sub-type:** pRSETa

**Images:**

## Contributor

**Inventor:**

**Institute:** Howard Hughes Medical Institute

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** pRSETa\_ mEos4a vector

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** This plasmid has an engineered variant of the photoconvertible Eos fluorescent protein, targeted to the mitochondria, that functions normally in heavily fixed sample and allows for correlative super-resolution imaging and high-quality electron microscopy.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** This plasmid has an engineered variant of the photoconvertible Eos fluorescent protein, targeted to the mitochondria, that functions normally in heavily fixed sample and allows for correlative super-resolution imaging and high-quality electron microscopy.

## Target details

**Target:** mEos4a

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:**

## Related tools

**Related tools:**

## References

**References:** Marvin et al. 2013. Nat Methods. 10(2):162-70. PMID: 23314171. ; An optimized

fluorescent probe for visualizing glutamate neurotransmission.

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