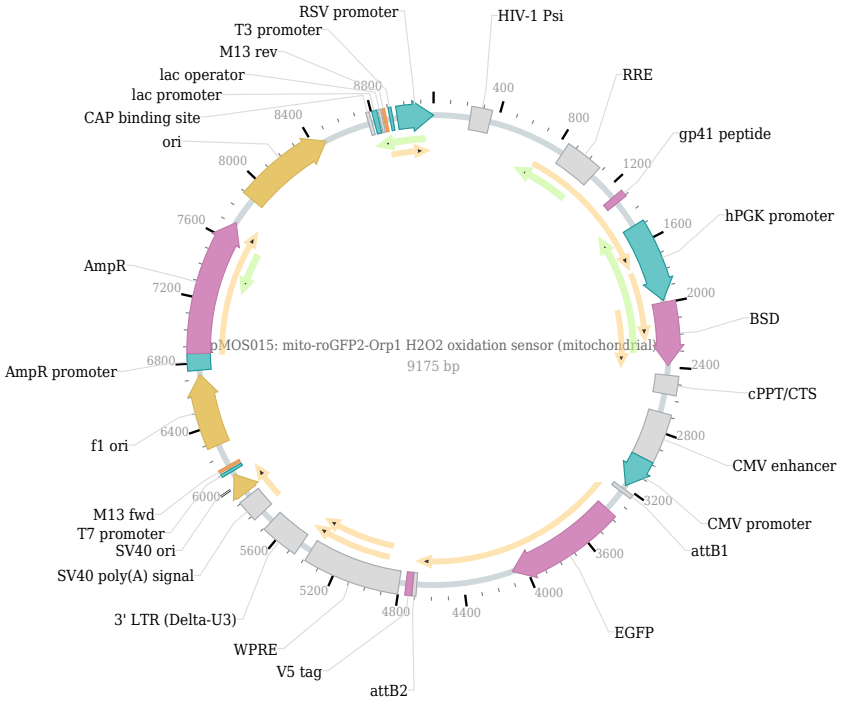
pMOS015: mito-roGFP2-Orp1 H2O2 oxidation sensor (mitochondrial)

Vector ID	V014410
Antibiotic Resistance	Ampicillin
Length	9175 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Blast
Promoter	hPGK
Growth Temperature	30℃
Comment	mito-roGFP2-Orp1 A fluorescent probe that detects hydrogen peroxide (H_2O_2) levels in the mitochondria of living cells in real time with high specificity

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.