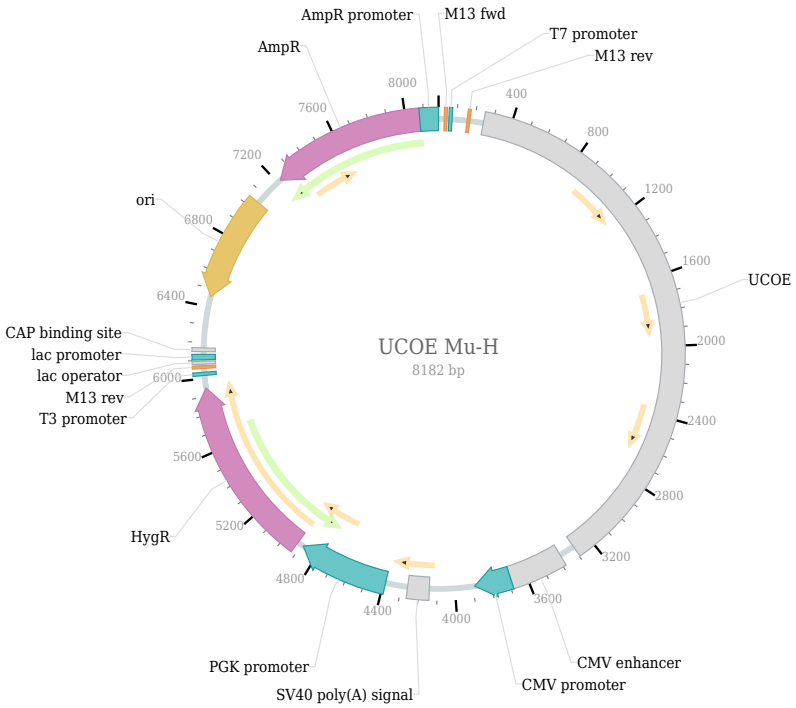
UCOE Mu-H

Vector ID	V013488
Antibiotic Resistance	Ampicillin
Length	8182 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Hyg
Promoter	CMV
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	Ubiquitous Chromatin Opening Element (UCOE) technology significantly enhances gene expression in stably transfected mammalian cells by modulating chromatin structure. Derived from small DNA elements near housekeeping genes, UCOEs create a transcriptionally active open chromatin environment around the integrated transgene. This prevents transgene silencing and enables consistent, stable, and high-level gene expression regardless of the transgene's chromosomal integration site.

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 ℃.