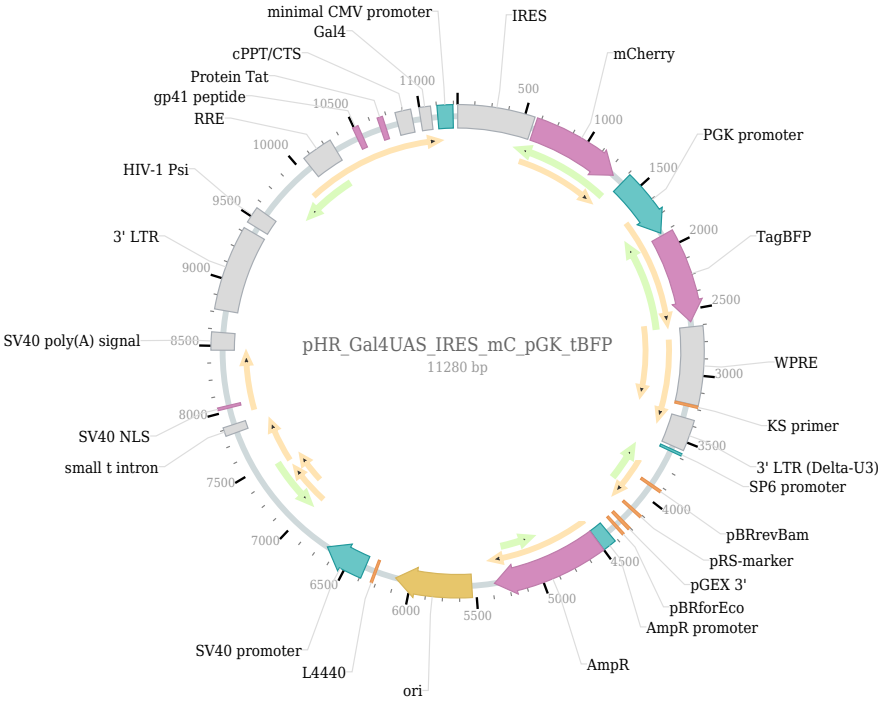
pHR_Gal4UAS_IRES_mC_pGK_tBFP

Vector ID	V006799
Antibiotic Resistance	Ampicillin
Length	11280 bp
Vector Type	Lentiviral

Product Information

Replication Origin	ori
Copy Number	High Copy
Growth Strain(s)	stbl3
Comment	This is a pHR-based lentiviral reporter plasmid designed for synNotch experiments relying on Gal4-VP64 transcription factors. Its Gal4 UAS promoter drives inducible mCherry expression via an IRES element to report synNotch activation. A separate PGK promoter constitutively expresses tagBFP to stably mark all transduced receiver cells. It serves as a dual-color readout to quantify orthogonal synNotch signaling and build combinatorial cell logic circuits like AND gates.

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 ℃.