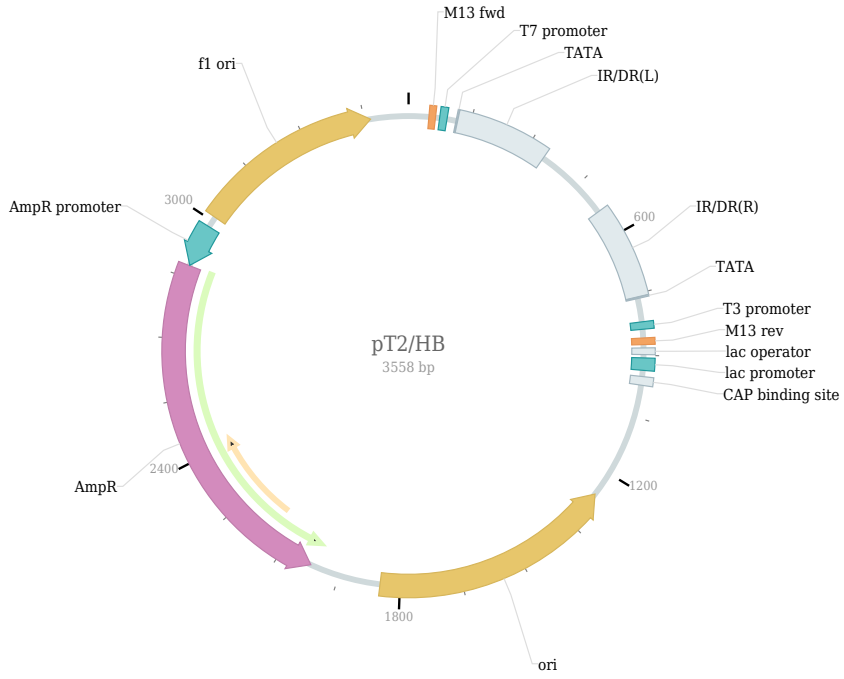
# pT2/HB

| | |
|---|---|
| **Vector ID** | V007192 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 3558 bp |
| **Vector Type** | Prokaryotic Expression Vectors, Transposon Systems |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Growth Strain(s)** | DH10B |
| **Comment** | This is a 3558 bp vector (pT2/HB) designed as a versatile cloning and in vitro transcription vector. It features T7 and T3 promoters for bacteriophage RNA polymerase-driven transcription, alongside a lac operator/promoter for regulated expression in bacteria. The plasmid includes an AmpR gene for antibiotic selection and a bacterial origin (ori) for propagation. It also contains an f1 origin for single-stranded DNA production. |

## 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 ℃.