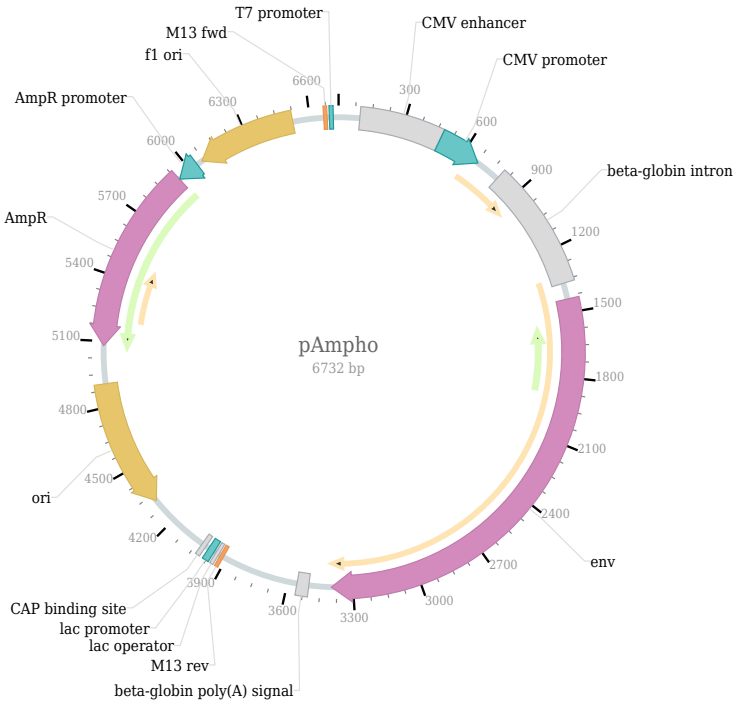
# pAmpho

| | |
|---|---|
| **Vector ID** | V007213 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 6732 bp |
| **Vector Type** | Retroviral Envelope Plasmids |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Promoter** | CMV |
| **Comment** | pAmpho Vector expresses the 4070A amphotropic envelope protein under the control of the CMV immediate-early promoter (1). The amphotropic envelope protein can serve as a surrogate viral envelope protein. It interacts on the host cell surface with the Ram-1 protein which acts as a viral receptor for infection (2). pAmpho includes IVS, a synthetic intron known to enhance the stability of the mRNA (3), the pUC origin of replication, and the bacterial ampicillin resistance (Ampr) gene for propagation and antibiotic selection in bacteria. |

## 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 ℃.