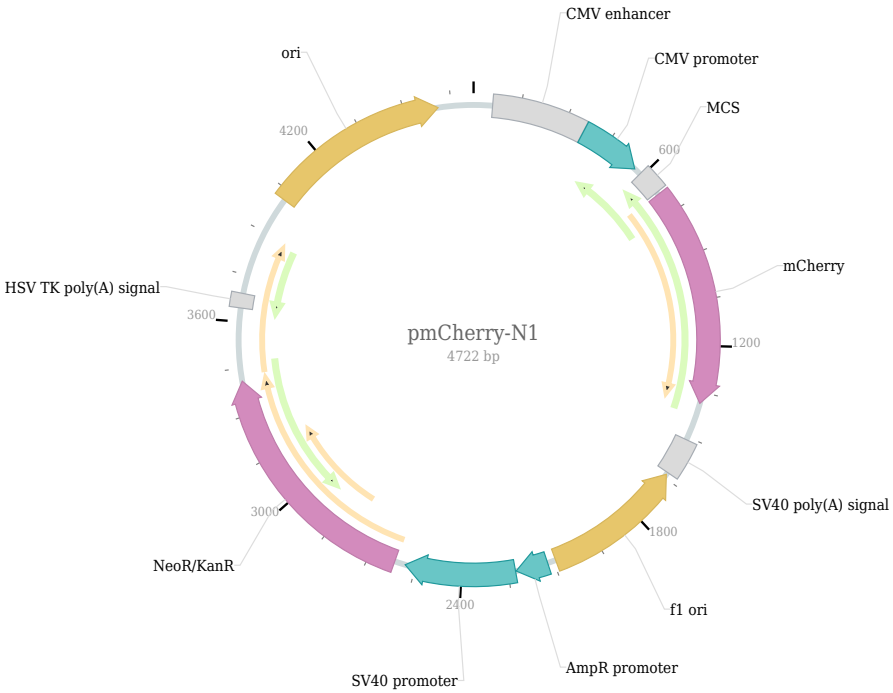
pmCherry-N1

Vector ID	V011975
Antibiotic Resistance	Kanamycin
Length	4722 bp
Vector Type	Fluorescent Protein Genes & Plasmids

Product Information

Replication Origin	ori
Source/Author	Clontech
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pmCherry-N1 gene encodes the bright and stable mCherry red fluorescent protein. The mCherry molecule has stable chemical bonds and a well-structured chromophore that can resist photobleaching, giving mCherry high photostability. pmCherry-N1 contains a strong promoter, ensuring efficient expression. It is ideal for studying protein localization and trafficking, as well as for live-cell imaging experiments.

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 ℃.