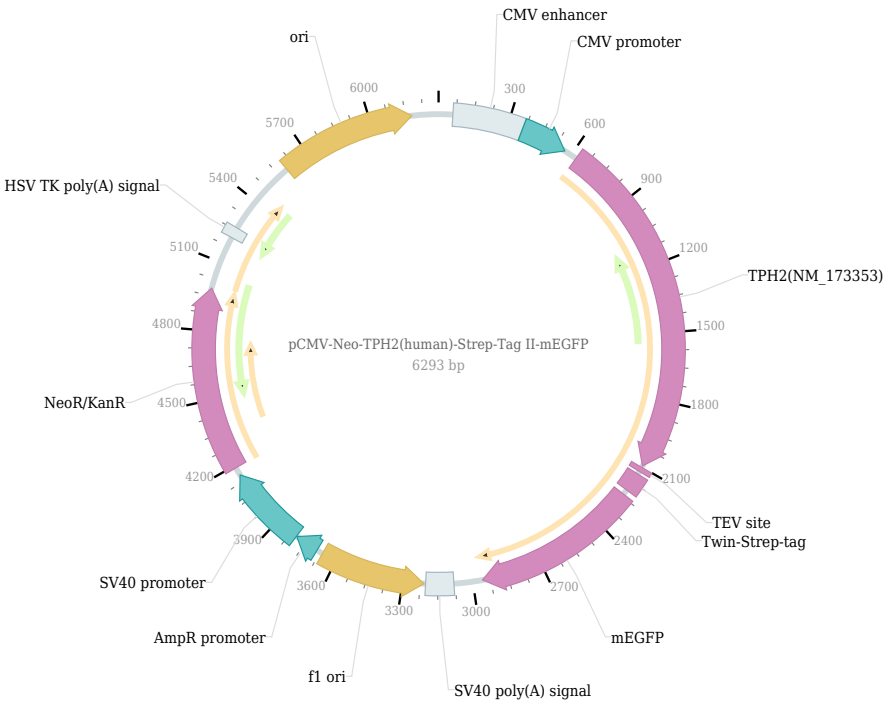
pCMV-Neo-TPH2(human)-Strep-Tag II-mEGFP

Vector ID	V018943
Accession ID	NM_173353.4
Antibiotic Resistance	Kanamycin
Length	6293 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;mEGFP
Promoter	CMV
Fusion Tag	Strep-Tag II-mEGFP
Growth Strain(s)	DH10B
Expression Method	Transient
Comment	pCMV-Neo-TPH2(human)-Strep-Tag II-mEGFP drives expression of human TPH2, the rate-limiting enzyme for neuronal serotonin synthesis, with Strep-Tag II and mEGFP via a TEV site. This 6293 bp vector uses a CMV promoter for expression and an SV40 promoter for NeoR/KanR selection. It also includes AmpR and ori for bacterial propagation.

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 ℃.