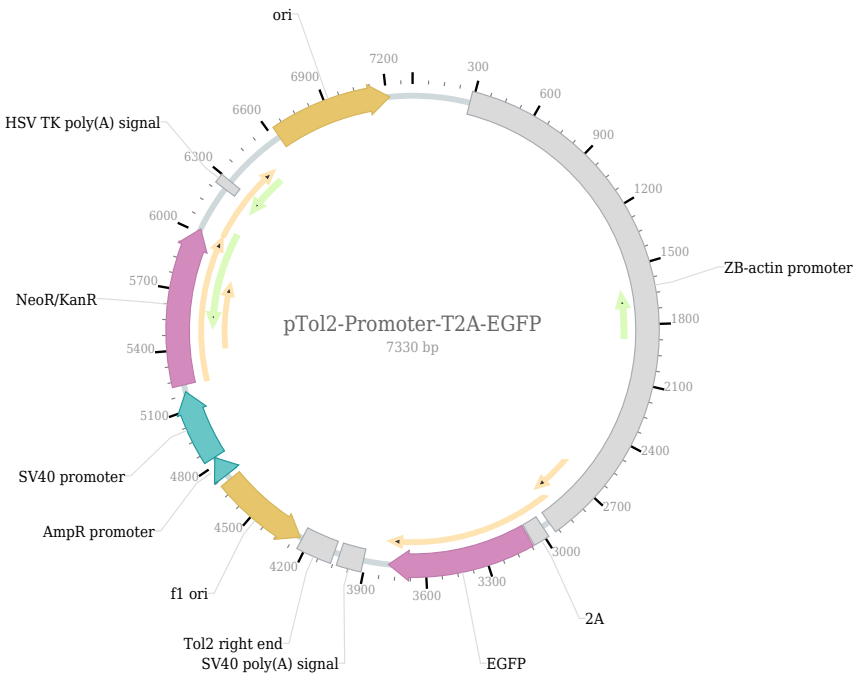
pTol2-Promoter-T2A-EGFP

Vector ID	V012905
Antibiotic Resistance	Kanamycin
Length	7330 bp
Vector Type	Protein expression, Transposition
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	ZBactin
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	For functional validation, this plasmid was co-injected with Tol2 transposase mRNA into zebrafish embryos by microinjection. The Tol2 transposase facilitates efficient insertion of the plasmid expression cassette into the zebrafish genome. Under the control of the upstream promoter, continuous expression of EGFP was successfully triggered.

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 ℃.