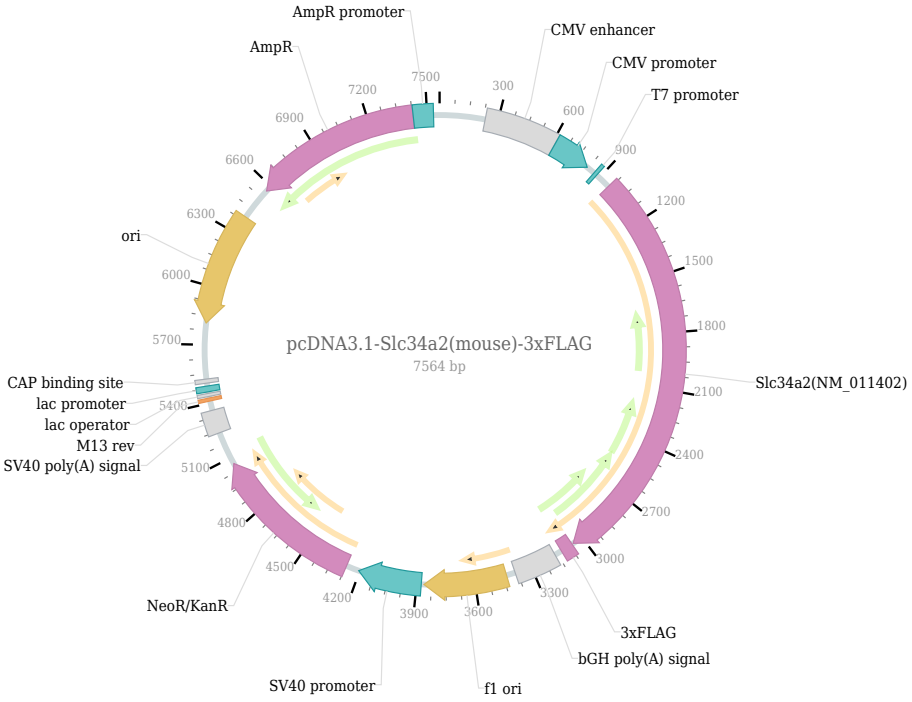
pcDNA3.1-Slc34a2(mouse)-3xFLAG

Vector ID	V040231
Accession ID	NM_011402.3
Antibiotic Resistance	Ampicillin
Length	7564 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	3xFLAG
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	This is a 7564 bp mammalian expression vector, pcDNA3.1-Slc34a2(mouse)-3xFLAG. It drives constitutive expression of the mouse Slc34a2 gene, tagged with 3xFLAG, under the control of the CMV promoter. The vector includes a HygR gene for stable transfection selection and a Neomycin resistance gene (NeoR/KanR) for mammalian cells. For bacterial propagation, it contains an AmpR gene, a pVS1 origin, and a T7 promoter.

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 ℃.