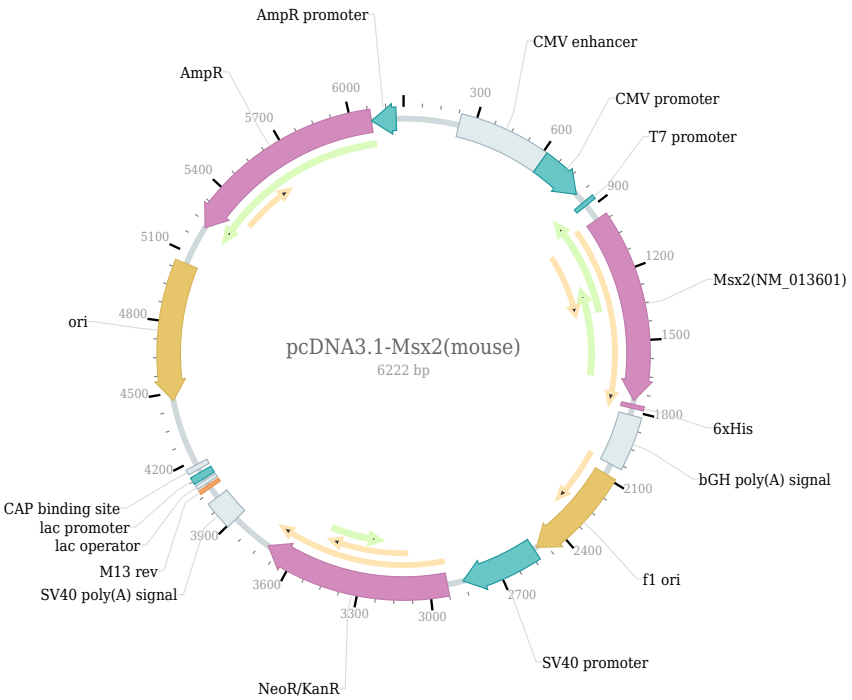
pcDNA3.1-Msx2(mouse)

Vector ID	V039653
Accession ID	NM_013601.2
Antibiotic Resistance	Ampicillin
Length	6222 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
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-Msx2(mouse) is designed for constitutive expression of the mouse Msx2 gene with a 6xHis tag, driven by the CMV promoter. The vector contains a bGH poly(A) signal and utilizes an SV40 promoter to drive the NeoR/KanR selection marker. It also features an f1 ori and AmpR for bacterial replication and selection.

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 ℃.