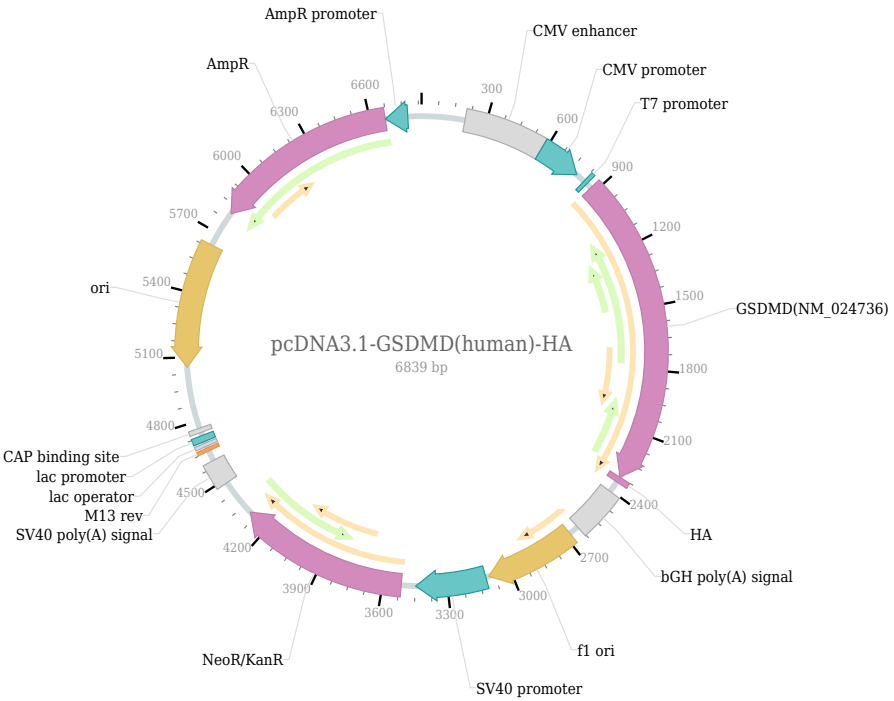
pcDNA3.1-GSDMD(human)-HA

Vector ID	V018291
Accession ID	NM_024736.7
Antibiotic Resistance	Ampicillin
Length	6839 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Fusion Tag	HA
Growth Strain(s)	DH10B
Expression Method	Transient
Comment	pcDNA3.1-GSDMD(human)-HA is designed for constitutive expression of the human GSDMD gene, tagged with an HA epitope, under the control of a strong CMV enhancer/promoter. The vector facilitates stable cell line generation using the NeoR/KanR gene driven by an SV40 promoter. It also includes a T7 promoter for in vitro transcription and bacterial elements (ori, AmpR) for plasmid 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 ℃.