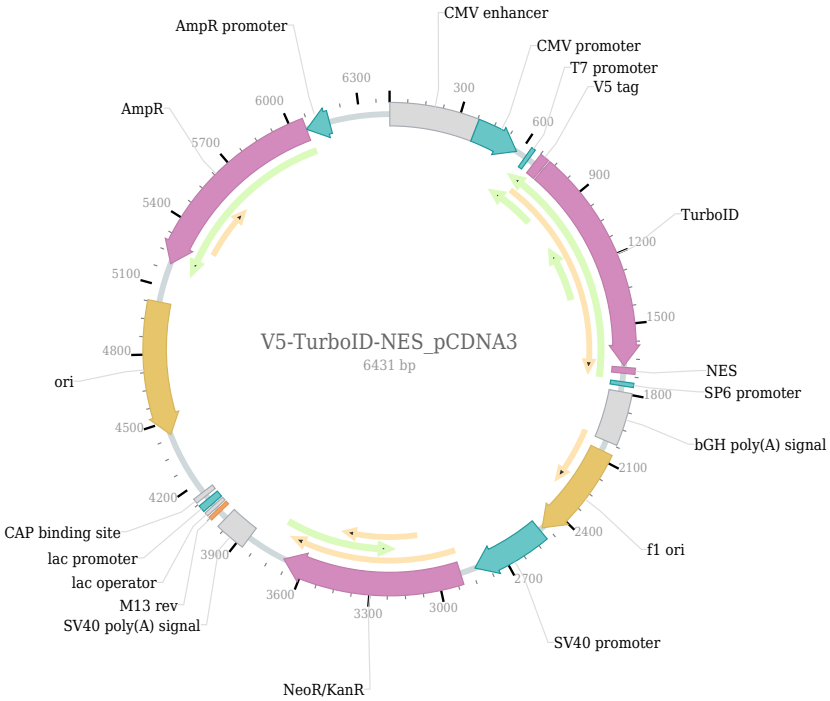
V5-TurboID-NES_pCDNA3

载体编号 Vector ID	V016701
抗性 Antibiotic Resistance	Ampicillin
长度 Length	6431 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neo/G418
启动子 Promoter	SV40
培养菌株 Growth Strain(s)	DH10B
培养温度 Growth Temperature	37℃
备注 Comment	V5-TurboID-NES_pCDNA3 is a mammalian expression plasmid from Alice Ting's lab for cytoplasmic proximity labeling. It carries CMV-driven V5-tagged TurboID fused to a nuclear export signal (NES) to confine the fast biotin ligase to cytosol. Only 10-minute biotin incubation is needed to capture proximal interacting proteins, far faster than classic BioID. The V5 tag enables Western blot quantification of TurboID expression for reliable proteomic comparison.

质粒图谱



复溶方法

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 ℃.