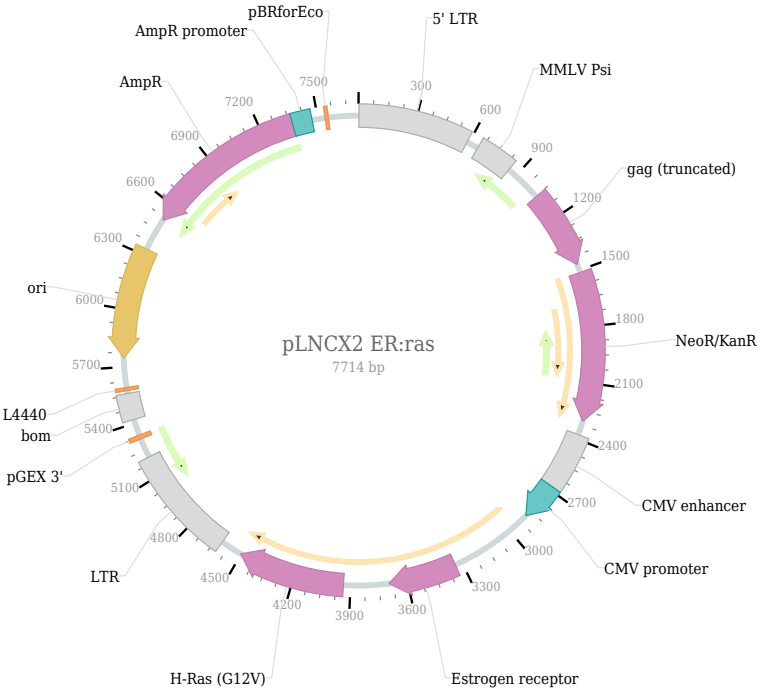
pLNCX2 ER:ras

载体编号 Vector ID	V012423
抗性 Antibiotic Resistance	Ampicillin
长度 Length	7714 bp
载体类型 Vector Type	Mammalian Expression

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neomycin (select with G418)
拷贝数 Copy Number	High Copy
启动子 Promoter	CMV
克隆方法 Cloning Method	Restriction Enzyme
5' 引物 5' Primer	AGCTCGTTTAGTGAACCGTCAGATC
3' 引物 3' Primer	ACCTACAGGTGGGGTCTTTCATTCCC
培养菌株 Growth Strain(s)	stbl3
培养温度 Growth Temperature	37℃
备注 Comment	The pLNCX2 ER:ras vector is designed to express a fusion protein consisting of the estrogen receptor (ER) ligand-binding domain and the ras oncogene, rendering its activity inducible by 4-hydroxytamoxifen. This construct allows for controlled activation of ras signaling pathways in a temporal and dose-dependent manner, making it a valuable tool for studying ras-mediated cellular processes and oncogenesis in mammalian cells.

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 ℃.