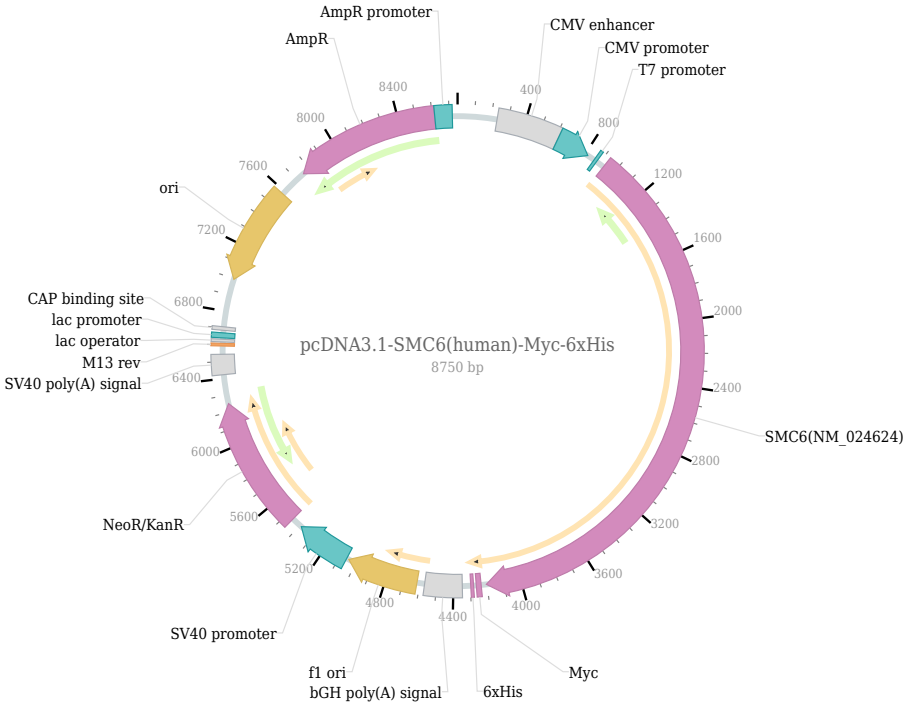
# pcDNA3.1-SMC6(human)-Myc-6xHis

| | |
|---|---|
| **Vector ID** | V021095 |
| **Accession ID** | NM_024624.6 |
| **Antibiotic Resistance** | Ampicillin |
| **Length** | 8750 bp |
| **Vector Type** | Protein expression |
| **Host** | Mammalian cells |

## Product Information

| | |
|---|---|
| **Replication Origin** | ori |
| **Selection Marker** | Neo/G418 |
| **Promoter** | CMV |
| **Fusion Tag** | Myc-6xHis |
| **Growth Strain(s)** | Stbl3 |
| **Expression Method** | Transient |
| **Comment** | It is designed for constitutive expression of the human SMC6 gene with Myc and 6xHis tags, 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, 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 ℃.