

General Information

Gene Name:

nerve growth factor

Official Symbol: NGF

Organism: Homo sapiens

RefSeq: NM_002506

Description

Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

Vector: pCR4-TOPO

Restriction Sites:

Shipping carrier:

Each tube contains approximately 5 µg - 10 µg of lyophilized plasmid.

Storage:

The lyophilized plasmid can be stored at ambient temperature for three months.

Quality control:

The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.

Sequencing primer list:

M13 fwd:GTAAAACGACGGCCAGT

M13 rev:CAGGAAACAGCTATGAC

Plasmid Resuspension protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add 20 µl of sterile water to dissolve the DNA.

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 °C.

The plasmid is ready for:

Restriction enzyme digestion; PCR amplification; E. coli transformation; DNA sequencing

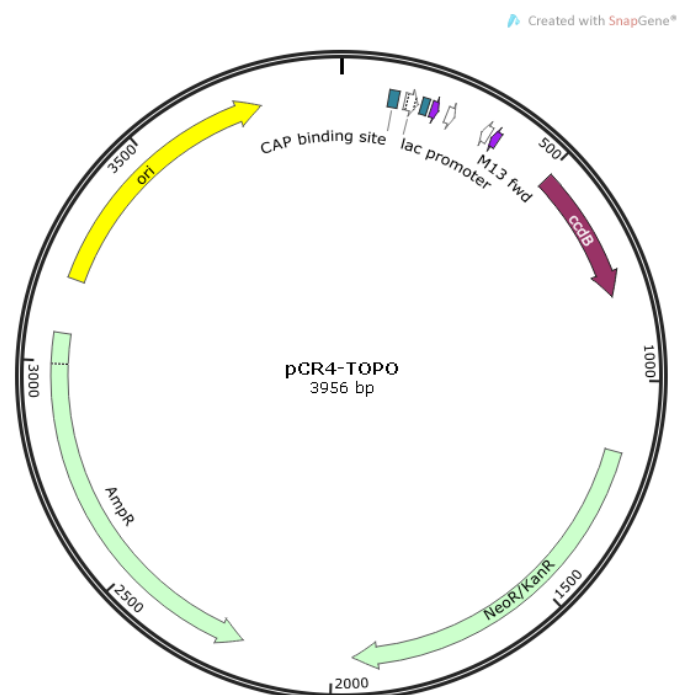
E.coli strains for transformation (recommended but not limited):

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5α and TOP10F´.

Vector Information

TOPO Cloning vector with ampicillin resistance in bacteria.

Physical Map of pCR4-TOPO:



Vector Name
Vector Size

pCR4-TOPO
3956 bp

Human NGF (NM_002506) cDNA/ORF clone



Catalog Number: 712659-10

Vector Type	Cloning Vector	Antibiotic Resistance	Ampicillin
Expression Method	-	Selection In Mammalian Cells	Neomycin
Promoter	lac	Protein Tag	None