## Human NGF (NM 002506) cDNA/ORF clone

Catalog Number: 712659-2



#### **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: pEXP-untagged

#### **Restriction Sites:**

#### **Shipping carrier:**

Each tube contains approximately 5  $\mu g$  - 10  $\mu g$  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:**

T7:TAATACGACTCACTATAGGG

**BGH:**TAGAAGGCACAGTCGAGG

#### Plasmid Resuspension protocol

- 1. Centrifuge at  $5,000 \times g$  for 5 min.
- 2. Carefully open the tube and add 20  $\mu$ l 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  $5000 \times g$ .
- 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, DH5 $\alpha$  and TOP10F $^{\prime}$ .

#### **Vector Information**

All of the pEXP vectors are designed for high-level stable and transient expression in mammalian hosts. High-level stable and non-replicative transient expression can be carried out in most mammalian cells. The vectors contain the following elements:

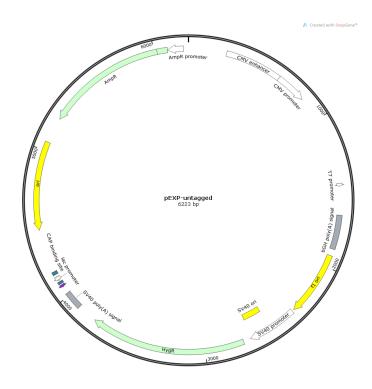
- Human enhanced cytomegalovirus immediateearly (CMV) promoter for high-level expression in a wide range of mammalian cells.
- Hygromycin resistance gene for selection of mammalian cell lines.
- A Kozak consensus sequence to enhance mammalian expression.

#### Physical Map of pEXP-untagged:

# Human NGF (NM\_002506) cDNA/ORF clone

**⊘**NovoPro

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Vector Name pEXP-untagged

Vector Size 6223 bp

Vector Type Mammalian Expression

Vector

Expression Method Constitutive, Stable /

Transient

Promoter CMV

Antibiotic Resistance

Selection In

Mammalian Cells

Protein Tag

CMV

Ampicillin

Hygromycin

None