Mouse Smad1 (NM_008539) cDNA/ORF clone

Catalog Number: 708973-9

General Information

Gene Name:

SMAD family member 1

Official Symbol: Smad1

Organism: Mus musculus

RefSeq: NM_008539

Description

Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

Vector: pEXP-C-Myc

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:

T7:TAATACGACTCACTATAGGG

BGH:TAGAAGGCACAGTCGAGG

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 ℃.

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

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 immediate-early (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-C-Myc:

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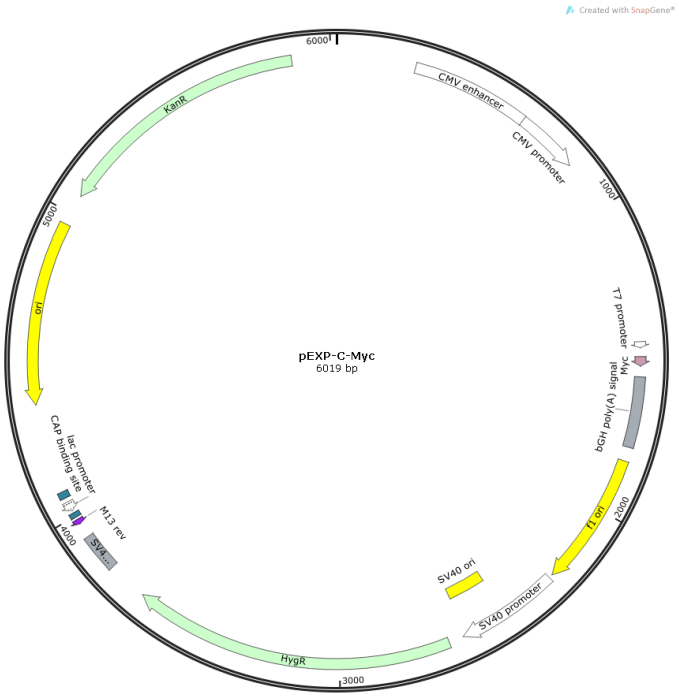

Vector Name	pEXP-C-Myc
Vector Size	6019 bp
Vector Type	Mammalian Expression Vector
Expression Method	Constiutive, Stable / Transient
Promoter	CMV
Antibiotic Resistance	Kanamycin
Selection In Mammalian Cells	Hygromycin
Protein Tag	Myc