

# Mouse Efnb2 (NM\_010111) cDNA/ORF clone



Catalog Number: 709715-1

## General Information

### Gene Name:

ephrin B2

**Official Symbol:** Efnb2

**Organism:** Mus musculus

**RefSeq:** NM\_010111

## Description

### Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

**Vector:** pEXP-Entry

**Note:** using kanamycin at 25 ug/ml, higher concentration may lead to no bacteria clones.

**Restriction Sites:** SgfI + MluI

### 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:**TAATACGACTCACTATAGG

**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):

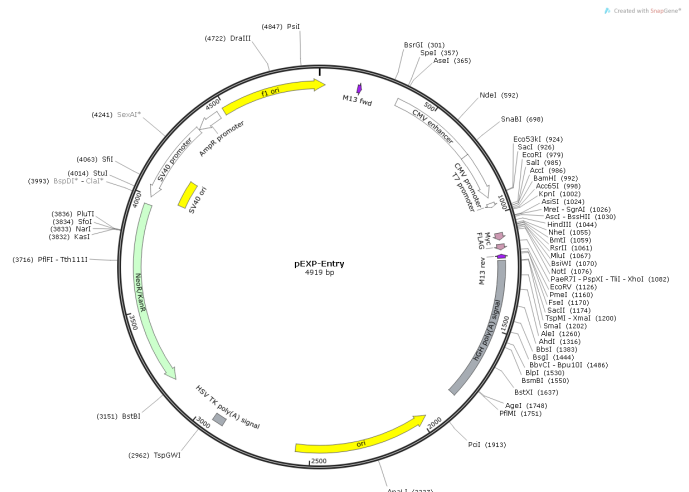
Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5α and TOP10F´.

## Vector Information

ORFs cloned in this vector will be expressed in mammalian cells as a tagged protein with the C-terminal Myc-FLAG tags.

Such clones are the best for detection and purification of the transgene using anti-Myc or anti-FLAG antibodies.

### Physical Map of pEXP-Entry:



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Vector Name	pEXP-Entry	Promoter	CMV
Vector Size	4919 bp	Antibiotic Resistance	Kanamycin
Vector Type	Mammalian Expression Vector	Selection In Mammalian Cells	Neomycin
Expression Method	Constitutive, Stable / Transient	Protein Tag	Myc,FLAG