

General Information

Gene Name:

CD4 molecule

Official Symbol: CD4

Organism: Homo sapiens

RefSeq: NM_000616

Description

Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

Vector: pCMV-SPORT6

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

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

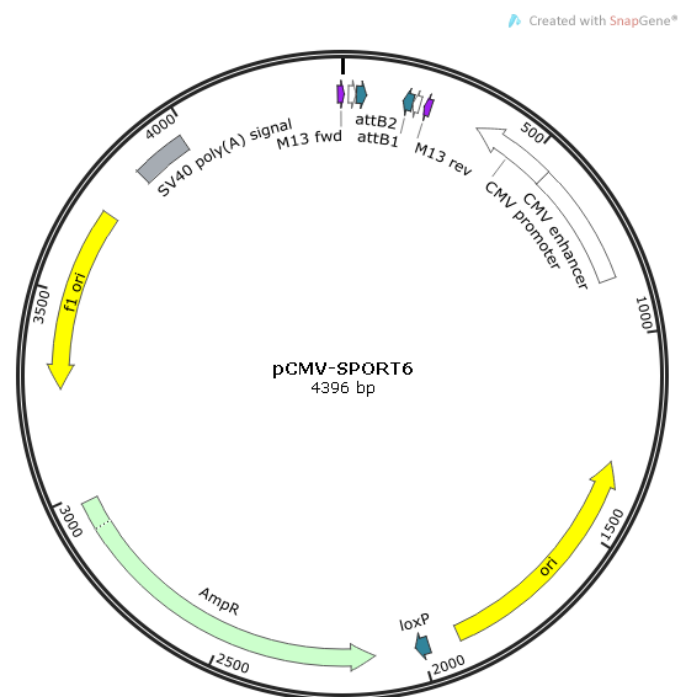
E.coli strains for transformation (recommended but not limited):

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

Vector Information

Vector for cloning and transient mammalian cell expression of cDNAs.

Physical Map of pCMV-SPORT6:



Vector Name
Vector Size

pCMV-SPORT6
4396 bp

Human CD4 (NM_000616) cDNA/ORF clone



Catalog Number: 714813-14

Vector Type	Mammalian Expression Vector	Antibiotic Resistance Selection In Mammalian Cells	Ampicillin -
Expression Method	Transient	Protein Tag	None
Promoter	CMV		