

SVG p12 | 305878

General information

Description	SVG p12 is a plasmid vector for the expression of foreign genes in E. coli. It contains a multiple cloning site (MCS) with several restriction enzyme sites, a strong promoter (SV40), and a selectable marker (kanamycin resistance). The plasmid is 3.0 kb in size and is used for the production of recombinant proteins. It is derived from the pUC19 plasmid and contains the SV40 promoter and the MCS.
Organism	E. coli
Tissue	Not applicable
Synonyms	SVGp12, SVG(P12)

Characteristics

Age	8-12 years
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Plasmid
Cell type	Not applicable
Growth properties	Not applicable

Documentation

Citation	SVG p12 (Cytion 305878)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_3797
GMO Status	GMO-S1: Not applicable (SVG p12 is a plasmid vector and does not contain any genetic material from a GMO). SV40 is a non-replicating virus and does not contain any genetic material from a GMO. ori is a plasmid origin of replication and does not contain any genetic material from a GMO.

SVG p12 | 305878

Cell line: SVG p12

Mutational profile

Cell line: SVG p12

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS

Dissociation Reagent

Fluid renewal 2 x 3

Freeze medium 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells quickly in a water bath at 37°C.
2. Transfer cells to a tube and centrifuge at 300 x g for 3 minutes.
3. Remove the supernatant and resuspend cells in 10 ml of culture medium.
4. Seed cells into a T25 flask.
5. Incubate cells in a humidified incubator at 37°C and 5% CO₂.
6. Monitor cell growth and passage cells when they reach 70-80% confluency.
7. Perform a trypsin digest to harvest cells.
8. Seed cells into a new flask.

Incubation Atmosphere 37°C, 5% CO₂

SVG p12 | 305878

Flask Coating

SVG p12

Shipping
Conditions

Shipping conditions: The product is shipped in a dry ice container. The container must be kept closed until the product is received. The product must be stored at -78°C.

Storage
Conditions

Storage conditions: The product is stored at -78°C. The storage time is 12 months. The product must be stored in a dry ice container.

SVG p12 | 305878

Sterility

The product is sterile. The product is tested for sterility by PCR. The product is tested for sterility by PCR.

The product is sterile. The product is tested for sterility by PCR. The product is tested for sterility by PCR.