# Human SLC29A1 Gene ORF cDNA clone expression plasmid, N-GFPSpark tag



Catalog Number: HG17799-ANG

**General Information** 

Gene: solute carrier family 29 (equilibrative

nucleoside transporter), member 1

Official Symbol: SLC29A1

Synonym: ENT1

Source: Human

cDNA Size: 2100bp (cDNA Size= Gene + linker

+Tags)

**RefSeq:** NM\_001078175.2

Plasmid: pCMV3-GFPSpark-SLC29A1

**Description** 

**Lot:** Please refer to the label on the tube

**Sequence Description:** 

Identical with the Gene Bank Ref. ID sequence.

**Restriction site:** Kpnl + Xbal(6kb+2.1kb)

**Vector:** pCMV3-N-GFPSpark

**Quality control:** 

The plasmid is confirmed by full-length sequencing with primers

in the sequencing primer list.

Sequencing primer list:

pCMV3-F: 5' CAGGTGTCCACTCCCAGGTCCAAG 3'

pcDNA3-R: 5' GGCAACTAGAAGGCACAGTCGAGG 3'

Or

Forward T7: 5' TAATACGACTCACTATAGGG 3'

ReverseBGH: 5' TAGAAGGCACAGTCGAGG 3'

pCMV3-F and pcDNA3-R are designed by Sino Biological Inc. Customers can order the primer pair from any oligonucleotide supplier.

### Shipping carrier:

Each tube contains approximately 10  $\mu g$  of lyophilized plasmid.

#### Storage:

The lyophilized plasmid can be stored at ambient temperature for three months.

## **Plasmid Resuspension protocol**

- 1. Centrifuge at 5,000×g for 5 min.
- 2. Carefully open the tube and add 100  $\mu$ 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  $-20 \,^{\circ}$ 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 $^{\prime}$ .

Website: http://www.sinobiological.com

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#### **Vector Information**

All of the pCMV 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.

Vector name pCMV3-N-GFPSpark

Vector size 6788bp

Vector Type Mammalian Expression Vector

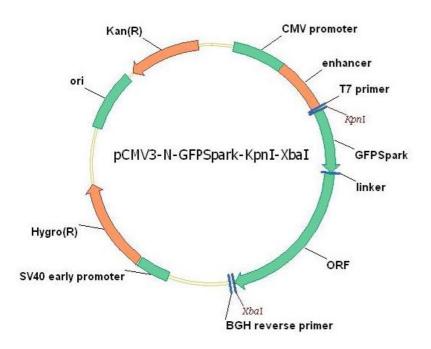
Expression Method Constitutive ,Stable / Transient

Promoter CMV

Bacterial Resistance Kanamycin
Selection In Cells Hygromycin

Protein tag GFPSpark

#### Physical Map of Plasmid:



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