Human Mannan Binding Lectin / MBL2 Gene ORF cDNA clone expression plasmid, C-His tag



Catalog Number: HG10405-CH

General Information

Gene: mannose-binding lectin (protein C) 2,

soluble (opsonic defect)

Official Symbol: MBL2

Synonym: COLEC1; HSMBPC; MBL; MBL2D; MBP;

MBP-C; MBP1; MBPD

Source: Human

cDNA Size: 792bp (cDNA Size= Gene + linker +Tags)

RefSeq: NM_000242.2

Plasmid: pCMV3-MBL2-His

Description

Lot: Please refer to the label on the tube

Sequence Description:

Identical with the Gene Bank Ref. ID sequence except for the point mutations: 378C/G not causing the amino acid variation.

Restriction site: Kpnl+Xbal(6kb+0.79kb)

Vector: pCMV3-C-His

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 μg of lyophilized plasmid.

Storage:

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

Plasmid Resuspension protocol

- 1. Centrifuge at $5,000 \times g$ for 5 min.
- 2. Carefully open the tube and add 100 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 $5000\times g$.
- 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 α and TOP10F'.

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-C-His

Vector size 6164bp

Vector Type Mammalian Expression Vector

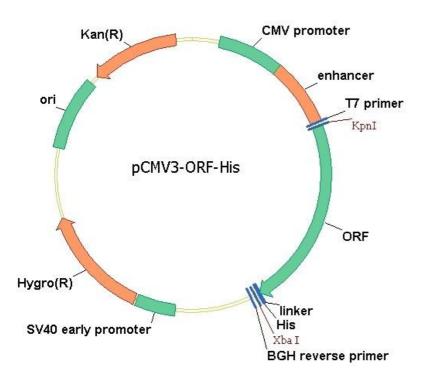
Expression Method Constitutive ,Stable / Transient

Promoter CMV

Bacterial Resistance Kanamycin
Selection In Cells Hygromycin

Protein tag His

Physical Map of Plasmid:



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