General Information

Gene: intercellular adhesion molecule 1
Official Symbol: ICAM1
Synonym: BB2, CD54, P3.58
Source: Homo sapiens
cDNA Size: 1599
RefSeq: NM_000201.2

Description

Lot: Please refer to the label on the tube
Sequence Description:
Identical with the Gene Bank Ref. ID sequence.

Restriction site: HindIII + XbaI
Vector: pCMV / hygro

Shipping carrier:
Each tube contains approximately 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:

| pcDNA3-L | 5’ CTAGAGAACCACCTGCTTACTGGC 3’ |
| pcDNA3-R | 5’ GGCAACTAGAGGGCCACAGTCGAGG 3’ |

Or

| Forward T7 | 5’ TAATACGACTCACTATAGGG 3’ |
| Reverse BGH | 5’ TAGAAGGCGACAGTCGAGG 3’ |

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’.
Homo sapiens ICAM-1 / CD54 cDNA Clone

Catalog Number:    HG10346-M-N

**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 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.

**Physical Map of Plasmid:**

<table>
<thead>
<tr>
<th>Vector Name</th>
<th>pCMV / hygro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vector Size</td>
<td>5657bp</td>
</tr>
<tr>
<td>Vector Type</td>
<td>Mammalian Expression Vector</td>
</tr>
<tr>
<td>Expression Method</td>
<td>Constitutive, Stable / Transient</td>
</tr>
<tr>
<td>Promoter</td>
<td>CMV</td>
</tr>
<tr>
<td>Antibiotic Resistance</td>
<td>Ampicillin</td>
</tr>
<tr>
<td>Selection In Mammalian Cells</td>
<td>Hygromycin</td>
</tr>
<tr>
<td>Protein Tag</td>
<td>None</td>
</tr>
</tbody>
</table>

* Please refer to http://www.sinobiological.com/Mammalian-Expression-Vectors-a-4666.html for the vector sequence.