Rhesus TNFRSF9 ORF mammalian expression plasmid, C-HA tag

Catalog Number: CG90847-CY

General Information

Gene: tumor necrosis factor receptor superfamily, member 9
Official Symbol: TNFRSF9
Synonym: TNFRSF9
Source: Rhesus
cDNA Size: 765bp
RefSeq: NM_001266128.1

Description

Lot: Please refer to the label on the tube
Vector: pCMV3-C-HA

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:

<table>
<thead>
<tr>
<th>Primer</th>
<th>Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>pCMV3-F</td>
<td>5' CAGGTGTCCTACCACGTCGAGG 3'</td>
</tr>
<tr>
<td>pcDNA3-R</td>
<td>5' GGAACGAGGCAAGTGCGG 3'</td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>Primer</th>
<th>Sequence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward T7</td>
<td>5' TAATACGACTTACTAGGG 3'</td>
</tr>
<tr>
<td>ReverseBGH</td>
<td>5' TAGAAGGCAAGTGCGG 3'</td>
</tr>
</tbody>
</table>

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′.
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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.