Human PAK2 Gene ORF cDNA clone expression plasmid

Catalog Number: HG10085-UT

General Information
Gene: p21 protein (Cdc42/Rac)-activated kinase 2
Official Symbol: PAK2
Synonym: PAK65; PAKgamma
Source: Human
cDNA Size: 1575bp
RefSeq: NM_002577.4
Plasmid: pCMV3-PAK2

Description
Lot: Please refer to the label on the tube
Sequence Description: Identical with the Gene Bank Ref. ID sequence.
Restriction site: KpnI + XbaI (6.1kb + 1.58kb)
Vector: pCMV3-untagged
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’ CAGGTGTCCACTCCAGGTCCAAG 3’</td>
</tr>
<tr>
<td>pcDNA3-R</td>
<td>5’ GGCAACTAGAAGGCAAGTGCAGG 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’ TAATACGACTCAGTATAGGG 3’</td>
</tr>
<tr>
<td>ReverseBGH</td>
<td>5’ TAGAAGGCAAGTGCAGG 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'.
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.

Physical Map of Plasmid: