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PRODUCT: Raf Dominant-Negative Vector Set

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| <p>CATALOG No. 631926</p> <p>LOT NUMBER Specified on product label</p> <p>STORAGE BUFFER 10 mM Tris-HCl (pH 8.0) 1 mM EDTA (pH 8.0)</p> <p>STORAGE CONDITIONS • Store plasmids at -20°C. • Spin briefly to recover contents. • Avoid repeated freeze/thaw cycles.</p> <p>SHELF LIFE 1 year from date of receipt under proper storage conditions.</p> <p>SHIPPING CONDITIONS Blue ice (4°C) or dry ice (-70°C)</p> <p>FOR RESEARCH USE ONLY</p> | <p>AMOUNT 20 μg each</p> <p>DESCRIPTION Set of three vectors for studying Raf or MAPK signaling pathways: the pCMV-Raf-1 Vector expresses the wild-type Raf protein, the pCMV-RafCAAX expresses a constitutively active form of the Raf protein, and the pCMV-RafS621A Vector expresses a mutated form of Ras with a Ser-to-Ala mutation at residue 621. These vectors can be used to study Raf-related signal transduction pathways in mammalian cells. Each gene is expressed from the constitutive CMV promoter.</p> <p>VECTOR CONCENTRATION 500 ng/μl each</p> <p>PLASMID SIZE ~ 6.0 kb each</p> <p>ANTIBIOTIC RESISTANCE Kanamycin (50 $\mu\text{g}/\text{ml}$; for propagation in <i>E. coli</i>)</p> <p>PACKAGE CONTENTS</p> <ul style="list-style-type: none"> • 1 tube of pCMV-Raf-1 Vector • 1 tube of pCMV-RafS621A Vector • 1 tube of pCMV-RafCAAX Vector <p>OTHER</p> <ul style="list-style-type: none"> • Vector Information Packet (PT3474-5) |
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QUALITY CONTROL DATA

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

| | Enzymes | Fragments |
|----------------------|------------------------------|------------------|
| pCMV-Raf-1 Vector | <i>EcoR</i> I, <i>BamH</i> I | 4.0 & 2.0 kb |
| pCMV-RafS621A Vector | <i>EcoR</i> I, <i>BamH</i> I | 4.0 & 2.0 kb |
| pCMV-RafCAAX Vector | <i>Xho</i> I, <i>BamH</i> I | 4.0 & 2.0 kb |

- The presence of the correct Raf variant was also confirmed by sequencing.
- A_{260}/A_{280} : 1.8–2.0

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This document has been reviewed and approved by the Clontech Quality Assurance Department.
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