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PRODUCT: pAP1(PMA)-SEAP Vector

<p>CATALOG NO. 631907</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</p> <ul style="list-style-type: none"> • Store plasmid at -20°C. • Spin briefly to recover contents. • Avoid repeated freeze/thaw cycles. <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>AMOUNT 20 μg</p>	<p>DESCRIPTION This vector is designed for monitoring the activation of Activator Protein 1 (AP1) by phorbol esters (PMA). The AP1(PMA) element responds specifically to PMA treatment for studying activation of the protein kinase C (PKC) pathway. When transfected into mammalian cells, the vector can be used for studying effects of activation of this and related, signal transduction pathways. The vector contain the gene encoding secreted alkaline phosphatase (SEAP) as the reporter, which can be measured in culture supernatants using Clontech's Great EscAPe™ Detection Systems.</p> <p>CONCENTRATION: 500 ng/μl</p> <p>PLASMID SIZE: 4.8 kb</p> <p>ANTIBIOTIC RESISTANCE Ampicillin (50 $\mu\text{g}/\text{ml}$; for propagation in <i>E. Coli</i>)</p> <p>PACKAGE CONTENTS 1 tube of pAP1(PMA)-SEAP Vector</p> <p>OTHER Vector Information Packet (PT3351-5)</p>
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FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

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

Enzyme(s)	Fragment(s)
<i>Bgl</i> II	4.8
<i>Xba</i> I	3.2 & 1.6 kb

- A_{260}/A_{280} : 1.8 – 2.0



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