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## PRODUCT: pAP1-SEAP Vector

**CATALOG NO.**  
631903

**AMOUNT**  
20 µg

**LOT NUMBER**  
Specified on product label.

**STORAGE BUFFER**  
10 mM Tris-HCl (pH 8.0)  
1 mM EDTA (pH 8.0)

**STORAGE CONDITIONS**

- Store plasmid at -20°C.
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

**SHELF LIFE**  
1 year from date of receipt under proper storage conditions.

**SHIPPING CONDITIONS**  
Blue ice (4°C) or dry ice (-70°C)

### DESCRIPTION

pAP1-SEAP is a reporter vector that is ideal for studying the induction of the activator protein 1 (AP1). AP1 is induced through the SAPK/JNK signal transduction pathway. pAP1-SEAP contains the secreted alkaline phosphatase (SEAP) gene as the reporter. pTAL-SEAP is provided as a negative control to measure background signals, or it can be used for studying putative enhancer elements, which can be cloned into the MCS.

**CONCENTRATION:** 500 ng/µl

**PLASMID SIZE:** 4.9 kb

**ANTIBIOTIC RESISTANCE**  
Ampicillin (50 µg/ml; for propagation in *E. Coli*)

**PACKAGE CONTENTS**

- 20 µg pAP1-SEAP Vector
- 20 µg pTAL-SEAP Vector

### OTHER

- Vector Information Packet (PT3279-5)
- Vector Information Packet (PT3271-5)

### 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:

pAP1-SEAP Vector	<b>Enzyme(s)</b>	<b>Fragment(s)</b>
	<i>Nhe</i> I / <i>Hind</i> III / <i>Xba</i> I	3.1, 1.6, & 0.2 kb
pTAL-SEAP Vector	<b>Enzyme(s)</b>	<b>Fragment(s)</b>
	<i>Xho</i> I	4.8 kb

- $A_{260}/A_{280}$ : 1.8 – 2.0



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