

## **GAS Luciferase Reporter Vector**

### **Product Insert**

**Cat. No. LR0025**

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**Shelf Life** One year from date of receipt under proper storage conditions.

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**Storage** See product label for appropriate storage conditions

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**Components 1** GASLuciferase Reporter Vector (20ul of 500 ng/ul)

**Components 2** Empty Control Vector (20ul of 500 ng/ul)

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**Sequence (5'→3')** AGGTTTCCGGGAAAGCAGTAGGTTTAGGTTTCCGGGAAAGCAGTAGGTTT

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**Description** pGAS-Luc (interferon-gamma activation sequence) is designed to monitor the induction of STAT1, a component of JAK/STAT-mediated signal transduction pathways. Cytokines bind and induce receptor dimerization at the cell surface, causing the receptor itself to be phosphorylated. The phosphorylated receptor then acts as a docking site for STAT1. STAT1 is phosphorylated, dimerizes and translocates to the nucleus to regulate transcription.

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**Quality Assurance** Luciferase induction was measured from Hela expressing pGAS-Luc cell lysates after interferon gamma treatment.

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**Contacting  
Panomics**

For ordering information or technical support, contact the appropriate resource provided below according to your geographical location.

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For an updated list of FAQs and product support literature, visit our website at [www.panomics.com](http://www.panomics.com).

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