

ISRE Luciferase Reporter Vector

Product Insert

Cat. No. LR0040

Shelf Life	One year from date of receipt under proper storage conditions.
Storage	See product label for appropriate storage conditions
Component 1	ISRE Luciferase Reporter Vector (20ul of 500 ng/ul)
Component 2	Empty Control Vector (20ul of 500 ng/ul)
Sequence (5'→3')	CAGTTTCACTTTCCCCAGTTTCACTTTCCCCAGTTTCACTTTCC- CCCAGTTTCACTTTCCC
Description	pISRE-Luc is designed for monitoring the induction of the STAT1 and STAT2 components of Jak/STAT-mediated signal transduction pathways. Signaling molecules, including type I (IFN- α and - β) and type II (IFN- γ) interferons, induce signaling by binding receptors and causing receptor dimerization at the cell surface. This dimerization causes the receptor itself to be phosphorylated and act as a docking site for transcription factors, including STAT1 and STAT2. The STAT proteins are then phosphorylated, dimerize and translocate to the nucleus, where the STAT1 and STAT2 heterodimer regulates transcription by binding to the IFN-stimulated response element (ISRE).
QA Statement	Luciferase induction was measured from Hela expressing pISRE-Luc cell lysates after interferon gamma treatment.

**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.
