THP1-Dual™ KO-IFI16 cells are engineered monocytes that were specifically designed to study the role of IFI16. They were generated from THP1-Dual™ cells by stable knockout of the IFI16 gene. They derive from human THP-1 monocytes, a cell line often used to study DNA sensing pathways as they express all the cytosolic DNA sensors identified so far (with the exception of DAI). The knockout of the IFI16 gene in these cells has been confirmed by PCR, Western blot (see figure 1) and sequencing. Of note, the IFI16 gene encodes three isoforms (A, B, and C) of the IFI16 protein due to alternative RNA splicing. As expected, we detected all three isoforms (the A, B, and C) of the IFI16 protein in the THP1-Dual™ cells. Biological activity has been assessed using the Lucia luciferase reporter assay to monitor interferon regulatory factor (IRF) induction (see figure 2).