

## ssRNA41 sodium

<b>Cat. No.:</b>	HY-160230
<b>Target:</b>	Toll-like Receptor (TLR)
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

## ssRNA41 (sodium)

### BIOLOGICAL ACTIVITY

#### Description

ssRNA41 sodium is a 20-mer phosphothioate protected single-stranded RNA oligonucleotide. It derives from ssRNA40 by replacement of all U nucleotides with adenosine. ssRNA41 sodium is unable to induce the production of type IFNs, and therefore can be used as a negative control for ssRNA40<sup>[1]</sup>.

### REFERENCES

[1]. Dejiang Zhou, et al. Production of interferon  $\alpha$  by human immunodeficiency virus type 1 in human plasmacytoid dendritic cells is dependent on induction of autophagy. *J Infect Dis.* 2012 Apr 15;205(8):1258-67.

[2]. Heil F, Hemmi H, Hochrein H, et al. Species-specific recognition of single-stranded RNA via toll-like receptor 7 and 8. *Science.* 2004;303(5663):1526-1529.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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