

## Recombinant Mouse IFNA2, Tag Free

### General Information

<b>Synonym</b>	Interferon alpha 2; IFN-alpha-2; Interferon Alpha-A; LeIF A; IFNA2.
<b>Gene ID</b>	15965
<b>Accession #</b>	NP_034633.2
<b>Molecular Characterization</b>	Cys24-Glu190
<b>M.Wt</b>	19.4 kDa
<b>Source</b>	293T cells
<b>Bio Activity</b>	Determined by the dose-dependent stimulation of murine CTLL-2 cells: ED50: < 0.1 ng/mL Specific activity: > 1x10 <sup>7</sup> units/mg.

### Components and Storage

<b>Formulation</b>	The protein is dissolved in PBS buffer.
<b>Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>• 4°C for 1 week;</li> <li>• -20°C for 3 months.</li> </ul> <b>Please avoid repeated freeze-thaw cycles.</b>

### Quality Control

<b>Purity</b>	≥ 95%, by SDS-PAGE and HPLC.
<b>Endotoxin Level</b>	< 0.1 EU/μg

For detail QC information, please see the CoA.

## Background

Type I Interferons (IFNs) are well known cytokines which exert antiviral activity, antitumor activity and immunomodulatory effects. Interferon tau (IFNT), a type I IFN similar to alpha IFNs (IFNA), is the pregnancy recognition signal produced by the ruminant conceptus.

## Reference

Wang YX, Xu WG, Sun XJ, Chen YZ, Liu XY, Tang H, Jiang CL. Fever of recombinant human interferon-alpha is mediated by opioid domain interaction with opioid receptor inducing prostaglandin E2. J Neuroimmunol. 2004 Nov;156(1-2):107-12. doi: 10.1016/j.jneuroim.2004.07.013. PMID: 15465601.



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