

## PRODUCT INFORMATION

**IFN gamma (Interferon gamma), Mouse**

<b>Catalog number</b>	C02055-5UG / C02055-20UG / C02055-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Interferon-γ is a effective multifunctional cytokine which is released mainly by activated NK cells and T cells. IFN-γ is primarily characterized based on its anti-viral activities, and then been proved to have several functions such as anti-proliferative, immune-regulatory, and pro-inflammatory activities. IFN-γ can upregulate expression of MHC class I and II antigen by antigen-presenting cells.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MHGTVIESLES LN NYFNSSGIDVEEKSLFLDIWRNWQKDGDMKILQSQIISFYLR LFEVLKDNQAISNNISVIESHLITFFSNSKAKKDAFMSIAKFEVNNPQVQRQAFN ELIRVVHQLLPESLRKRKRSRC with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.01 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to anti-viral assay in L-929 cells infected with encephalomyocarditis (EMC) virus. The ED <sub>50</sub> for this effect is <0.5 ng/mL. The specific activity of recombinant mouse IFN gamma is approximately >2x 10 <sup>6</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IFN gamma

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