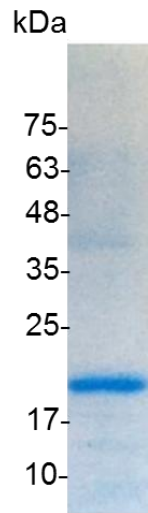


**IFN omega (interferon omega), Human**

v. 231001

<b>Catalog number</b>	C01081-5UG / C01081-20UG / C01081-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	IFN-ω is a member of the type I interferon family, that can be induced by virus infected leukocytes and exert antiviral and anti-proliferative activities. IFN-ω shares about 75% sequence homology with IFN-α. There are two conserved disulfide bonds that are necessary for full biological activity.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	MCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDFRFPQEMVKGSQLQKAH VMSVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQLQHLETCLLQVVG EGESAGAISSPALTLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQ ERLRKDRDLGSS with polyhistidine tag at the C-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce cytotoxicity in TF-1 cells. The ED <sub>50</sub> for this effect is <0.02 ng/mL. The specific activity of recombinant human IFN omega is approximately >5 x10 <sup>7</sup> IU/mg.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of 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 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human IFN omega

*For research use only.*