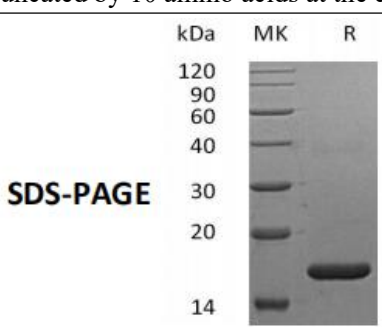


Recombinant Human IFN α 2a

Catalog#:AC13087 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Interferon Alpha-2a is produced by our E.coli expression system and the target gene encoding Cys24-Glu188 is expressed.</p> <p>Accession #:P01563</p> <p>Known as: Interferon Alpha-2; IFN-Alpha-2; Interferon Alpha-A; LeIF A; IFNA2</p>
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150mM NaCl, pH 7.2.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.</p>
RECONSTITUTION	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g/ml}$.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass: 19.24 kDa AP Mol Mass: 16 kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>At least 23 different variants of IFN-α are known. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-α subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-α subtypes only differ in their sequences by one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.</p>
 <p style="text-align: center;">kDa MK R</p> <p style="text-align: center;">120</p> <p style="text-align: center;">90</p> <p style="text-align: center;">60</p> <p style="text-align: center;">40</p> <p style="text-align: center;">SDS-PAGE 30</p> <p style="text-align: center;">20</p> <p style="text-align: center;">14</p>	