

Recombinant Human IFN- λ 1

Cat # NB-50-0293-5 Size: 5 μ g

Cat # NB-50-0293-20 Size: 20 μ g

Cat # NB-50-0293-100 Size: 100 μ g

Cat # NB-50-0293-250 Size: 250 μ g

Cat # NB-50-0293-500 Size: 500 μ g

Cat # NB-50-0293-1 Size: 1mg

Product Information

Code NB-50-0293

Source: E. coli

Synonyms: IL-29

Description: IFN λ 1, 2, and 3 (also known as IL-29, IL-28A and IL-28B respectively) are distantly related to the IL-10 family and the interferons. All three IFN-lambdas use a distinct receptor system composed of an IFN- λ R1 subunit (also called CRF2-12) and IL-10R2 subunit (also called CRF2-14). Signaling through this receptor system induces antiviral defenses similar to, but distinct from, that of type I interferons.--Recombinant Human IFN- λ 1 is a 19.8 kDa protein containing 178 amino acid residues.

Sequence: PTSKPTTTGK GCHIGRFKSL SPQELASFKK ARDALEESLK LKNWSCSSPV
FPGNWDLRLL QVRERPVALE AELALTLKVL EAAAGPALED VLDQPLHTLH
HILSQLQACI QPQPTAGPRP RGRLHHWLHR LQEAPKKESA GCLEASVTFN
LFRLLTRDLK YVADGNLCLR TSTHPEST

Storage & Handling

Handling:

Centrifuge vial prior to opening. Do not vortex after reconstitution. Avoid repeated freeze-thaw cycles.

Reconstitution:

Initially reconstitute in water to 0.5-1.0 mg/ml. Store at 2°C to 8°C for up to 1 week or prepare for extended storage.

Extended Storage:

After initial reconstitution, further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA). Store working aliquots at -20°C to -80°C.

Storage/Stability:

Product Form	Temperature	Storage Time
Lyophilized	-20°C to -80°C	see date on label
Lyophilized	4°C	6 months
Lyophilized	Room Temperature	1 month
Reconstituted	2°C to 8°C	1 week
Extended Storage	-20°C to -80°C	3 months

Specification

Formulation :

Sterile filtered through a 0.2-micron filter. Lyophilized from 10mM Sodium Phosphate, pH 7.5.

Authenticity:

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Purity:

≥ 98% by SDS-PAGE gel and HPLC analyses.

Endotoxin:

Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg).

Protein Content:

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Biological Activity:

Determined by its ability to activate STAT phosphorylation in an ISRE Luciferase Reporter Assay using human colon carcinoma COLO205 cells. The expected-ED50-is 0.2-0.5 ng/ml.

Usage: Not for human use.

Country of Origin: USA

For reference only

For Research Use Only. Not for Diagnostic or Therapeutic Use.