

Recombinant Human Interferon-lambda1/Interleukin-29 (Human IFN-λ1/IL-29)

Product Information

Product Name	Cat#	Size
	91208ES08	5 µg
Recombinant Human Interferon-lambda1/Interleukin-29 (Human IFN-λ1/IL-29)	91208ES60	100 µg
	91208ES76	500 µg

Product Description

IFN λ1, 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-λR1 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-λ1 is a 19.8 kDa protein containing 178 amino acid residues.

Product Properties

Synonyms	Cytokine Zcyto21
Accession	Q8IU54
GeneID	282618
Source	E.coli-derived Human IFN-λ1 protein,Gly20-Thr200.
Molecular Weight	Approximately 19.8 kDa.
AA Sequence	GPVPTSKPTT TGKGCHIGRF KSLSPQELAS FKKARDALEE SLKLNWSCS SPVFPGNWDL RLLQVRERPV ALEAELALTL KVLEAAAGPA LEDVLDQPLH TLHHILSQLQ ACIQPQPTAG PRPRGRLHHW LHRLQEAPKK ESAGCLEASV TFNLFRLLTR DLKYVADGNL CLRTSTHPES T
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by an anti-viral assay using human HepG2 cells infected with encephalomyocarditis is less than 5 ng/mL, corresponding to a specific activity of > 2.0 × 10 ⁵ IU/mg.
Endotoxin	< 1 EU/µg of protein as determined by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.