

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

Interferon lambda 2, also known as interleukin 28A, belongs to the newly classified type III interferon family. Expression of IFNL2 is seen in a variety of cell types in response to viral infection or treatment with double-stranded RNA. IFNL2 exerts antiviral activity by activating mx proteins, 2',5'-oligoadenylate synthetase, and interferon regulatory factor 9. It signals through a heterodimeric receptor complex composed of IL10RB and IFNLR1 which activates the JAK-STAT pathway, phosphorylating STAT1, STAT2, and STAT3.

Catalog Number	1360-08
Product Name	IFN-lambda2 (IL28A), Murine Recombinant Murine Interferon Lambda 2 IFNL2 Interleukin 28A (IL28A) Interleukin-28-Alpha
Source	<i>Escherichia coli</i>
MW	Click here to enter text.
Sequence	DPVPRATRLP VEAKDCHIAQ FKSLSPKELQ AFKKAKDAIE KRLEKDMRC SSHLISRAWD LKQLQVQERP KALQAEVALT LKVWENMTDS ALATILGQPL HTLSHIHSQL QTCTQLQATA EPKPPSRRLS RWLHRLQEAQ SKETPGCLEL SVTSNLFRL TRDLKCVASG DQCV
Accession Number	Q4VK74
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 3 ng/ml, corresponding to a specific activity of > 3.3 × 10 ⁵ IU/mg.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.