

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant IFN- β , Human

Catalog Number: BK0307-5 μ g

Source: HEK 293

Quantity: 5 μ g

Description:

Interferon-beta (IFN- β), acting via STAT1 and STAT2, is known to upregulate and downregulate a wide variety of genes, most of which are involved in the antiviral immune response. It is a member of Type I IFNs, which include IFN- α , - β , τ , and ω . IFN- β plays an important role in inducing non-specific resistance against a broad range of viral infections. It also affects cell proliferation and modulates immune responses.

Molecular Weight:

~23 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 0.1 ng/ml, measured in a proliferation assay using TF-1 Cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

MSYNLLGFLQRSSNFQCQKLLWQLNGRLEY-
CLKDRMNFDIPEEIKQLQQFQKEDAALTIYEM-
LQNIFAIQRDSSSTGWNETIVEN-
LLANVYHQINHLKTVLEEK-
LEKEDFTRGKLMSSLHLKRYYYGRILHYLKA-
KEYSHCAWTIVRVEILRNIFYFINRLTGYLRLN

Endotoxin:

< 0.2 EU/ μ g, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 μ g/ml.

Storage:

Lyophilized recombinant Human Interferon-beta remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Interferon-beta should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.