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Product Datasheet

Recombinant Human IFN alpha2b EBT-EPT205

Article Name	Recombinant Human IFN alpha2b
Biozol Catalog Number	EBT-EPT205
Supplier Catalog Number	EPT205
Alternative Catalog Number	EBT-EPT205-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interferon Alpha-2b is produced by our E.coli expression system and the target gene encoding Cys24-Glu188(Lys46Arg) is expressed....
Molecular Weight	Molecular weight: 19.4 KDa. Apparent molecular weight: 17 KDa, reducing conditions
UniProt	P01563
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Biological activity: Measured in antiviral assay using A549 human lung cancer cells infected with vesicular stomatitisvirus (VSV) The ED50 for this effect is 5 ng/mL.

Background: At least 23 different variants of IFN-alpha 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-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences by only one or two positions. Naturally occurring variants also include proteins that are truncated by 10 amino acids at the carboxyl-terminal end