

## Recombinant Human Interferon-alpha1b

Catalog No: #AP60093

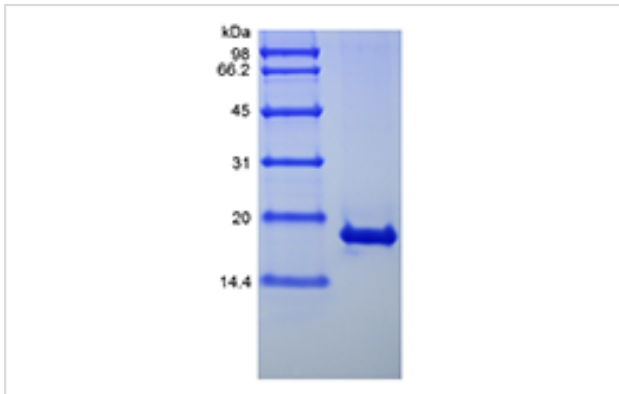
Package Size: #AP60093-1 10ug #AP60093-2 100ug #AP60093-3 500ug

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## Description

Product Name	Recombinant Human Interferon-alpha1b
Host Species	Escherichia coli.
Purification	> 96 % by SDS-PAGE and HPLC analyses.
Uniprot	P01562
GeneID	3439
Calculated MW	Approximately 19.5 kDa, a single non-glycosylated polypeptide chain containing 167 amino acids.
Target Sequence	MCDLPETHSL DNRRTLMLLA QMSRISPSSC LMDRHDFGFP QEEFDGNQFQ KAPAVISLHE LIQQIFNLFT TKDSSAAWDE DLLDKFCTEL YQQLNDLEAC VMQEERVGET PLMNVDSILA VKKYFRRITL YLTEKKYSPC AWEVVAEIM RSLSLSTNLQ ERLRRKE
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS, pH 7.4, containing 4 % mannitol and 1 % HSA.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Images



## Background

IFN- $\alpha$ s are proteins secreted by leukocyte. They are mainly involved in innate immune response against viral infection. The IFN- $\alpha$  family has 13 subtypes and 23 different variants. 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 at only one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.

Note: This product is for in vitro research use only