

Recombinant Human Interferon-beta1b

Catalog No: #AP60097



Package Size: #AP60097-1 10ug #AP60097-2 100ug #AP60097-3 500ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Interferon-beta1b
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Uniprot	P01574
GeneID	3456
Calculated MW	Approximately 20.0 kDa, a single non-glycosylated polypeptide chain containing 166 amino acids.
Target Sequence	MSYNLLGFLQ RSSNFQCQKL LWQLNGRLEY CLKDRMNFDI PEEIKLQQF QKEDAALTIY EMLQNIFAIF RQDSSSTGWN ETIVENLLAN VYHQINHLKT VLEEKLEKED FTRGKLMSSL HLKRYRGRIL HYLKAKEYSH CAWTIVRVEI LRNFYFINRL TGYLRN
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, containing 2 % HSA and 3 % mannitol.
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.

Background

IFN-βs are proteins produced by many cell types including lymphocytes (NK cells, B-cells and T-cells), macrophages, fibroblasts, endothelial cells, osteoblasts and others. They have antiviral activity that it is mainly involved in innate immune response. The IFN-β family has 2 subtypes⁵⁰ which are IFN-β1 (IFNB1) and IFN-β3 (IFNB3) (a gene designated IFN-β2 is actually IL-6). IFN-β1 is used as a treatment for multiple sclerosis as it reduces the relapse rate.

Note: This product is for in vitro research use only