

Human Interferon-beta 1b protein (Recombinant) (STJP000324)

STJP000324

GENERAL INFORMATION

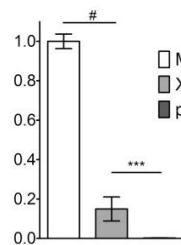
Product Type	Proteins
Short Description	Recombinant-Human Interferon-beta 1b-protein was developed from cho cells. For use in research applications.
Host/Source	CHO cells

PRODUCT PROPERTIES

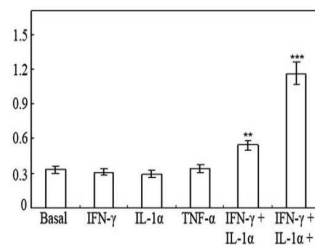
Concentration	
Formulation	Interferon betawas lyophilized from a.2 Mu m filtered solution containingmM NaOAc pH.5..
Purification	
Dilution Range	>95%, as determined by SDS-PAGE and HPLC
Storage	The lyophilized protein is stable for at least years from date of receipt at-20°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8°C for one month, or at-20°C for six months, with a carrier protein without detectable loss
Instruction	

TARGET INFORMATION

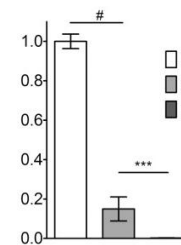
Gene ID	3456
Gene Symbol	IFNB1
Uniprot ID	IFNB_HUMAN
Immunogen Sequence	



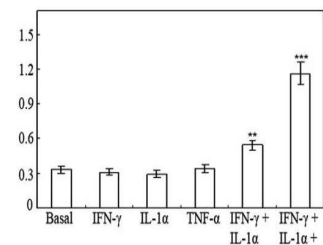
Following the initial culture period, islets were cultured for an additional 6-24 hours in CM, 1066 containing antibiotics, 2 mM glutamine and one of the following supplements: 0.5 mM sodium palmitate solubilized in 0.5% (weight/volume) fatty acid and lipopolysaccharide free bovine serum albumin (BSA); recombinant human Interleukin 1beta (IL-1β (50 units/ml) and Interferon-gamma (IFN-Gamma) (1, 1000 units/ml); 100 mM hydrogen peroxide; 2 mM DETA/NO or 10 mM streptozotocin (STZ). To some of the groups 10 μM of Imatinib was added at different time points prior to the addition of test substances given above. To controls equal amounts of vehicle (DMSO) were supplemented.



Interferon gamma (IFN-Gamma) 50 Mu l (100 ng/ml) was added to each dish in the experimental studies. The cytoplasmic and nuclear extracts were washed with ice-cold PBS and lysed in a 0.5 ml/well lysis buffer (150 mmol/l NaCl, 20 mmol/l Tris, pH 7.5, 0.1% Triton X-100, 1 mmol/l phenylmethylsulfonyl fluoride [PMSF] and 10 Mu g/ml aprotinin) as modified from the reports of Kim et al. and Moon et al. [



E) Recombinant Type III Interferons in the absence of CM at the same concentrations as found in the CM (IL-28A/IFN Lambda 2: 1500 pg/mL; IL-28B/IFN Lambda 3: 10 pg/mL; IL-29/IFN Lambda 1: 500 pg/mL) were added to JFH-1 infected Huh7. 5.1 cells.



Venous blood was collected prior to chemotherapy or at least one month following chemotherapy. For the offspring (HLA haplotype donor) the routine blood tests, and liver and kidney function tests were normal and negative for hepatitis A virus-igM, hepatitis B surface antigen antibody, hepatitis B e-antigen, hepatitis B core-hepatitis C virus (HCV), HCV-igG, Syphilis and human immunodeficiency virus-. As reported in our previous study (2 atmosphere). On the day of culture, 1, 000 U/ml human recombinant interferon-Gamma, 500 U/ml recombinant human interleukin (rhIL)-1 Alpha and 1, 000 U/ml rhIL-2 (Quangang Pharmaceutical Co., . . .) were added. Four days later, 1, 000 U/ml rhIL-2 was added and the cells were transferred into a GT-T810 culture bag. Cell growth was observed every other day and cells were stained with 0.4% trypan blue and the viable cells were counted. Following 18 days of culture, cells were infused once daily (>1x10⁸ cells, viability rate, >95%). A cycle of treatment...

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