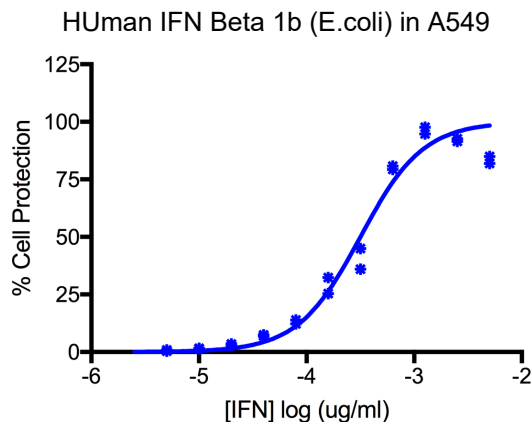


IFNB1

Recombinant Human IFN-beta 1b

Catalog No.	CR2063	Quantity:	1 X 10 ⁵ U
Volume:	Interferon beta, Fibroblast interferon		
Description:	Recombinant Human Interferon-beta 1b is a Type I Interferon used to treat the relapsing-remitting and secondary-progressive forms of multiple sclerosis (MS). IFN-beta has anti-viral, anti-cancer activity. Serine replaces cysteine at residue 17.		
UniProt ID:	P01574		
Volume:	0.100 ml		
Source:	cDNA obtained from human fibroblast mRNA expressed in <i>E. coli</i>		
Molecular Weight:	20,027 Da		
Formulation:	153 mM NaCl containing 1.3% Normal Serum Albumin		
Purity:	≥ 95% by SDS-PAGE		
Endotoxin Level:	< 1 EU/μg		
Biological Activity:	EC ₅₀ = 3.62 x 10 ⁶ Units/ml, lot specific, determined by inhibition of the cytopathic effect assay (1 Unit/ml = 50% inhibition) on human lung carcinoma cell line A549 with encephalomyocarditis virus (EMCV), calibrated to WHO International Reference Standard for Human IFN-beta.		
Specific Activity:	1.81 x 10 ⁷ Units/mg, lot specific		
Storage & Stability:	Upon receipt, store at -70°C or below for retention of full activity. To use, thaw product vial by incubation in cold tap water until just thawed. The contents of the tube should be apportioned in >20 μl aliquots so that freezing and thawing is kept to a minimum. Refreezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of the product should be in buffers containing protein such as 0.1% bovine serum albumin (BSA). Avoid repeated freeze-thaw cycles.		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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