

Recombinant Bovine Interferon-Tau 2B

Catalog No.	CS108	Quantity:	1x10E5 U
Alternate Names:	IFNT2, IFN-tau, TP-1		
Description:	Recombinant Bovine Interferon Tau 2B is active on cow, sheep, human, and mouse cells.		
Volume	0.1 ml		
Source:	Bovine gene for interferon tau expressed in <i>E. coli</i>		
Molecular Weight:	20.027 kDa		
Formulation:	Liquid in 0.1 M Tris-Citrate Buffer, pH 4.2, + 0.5 M NaCl + 50% Glycerol.		
Purity:	≥95%		
Activity:	1 x 10 ⁶ units/ml (lot specific)		
Specific Activity:	4.15 x 10 ⁷ units/mg (lot specific)		
Biological Activity:	Assay Used to Measure Bioactivity: Interferon was titrated with the use of the cytopathic effect inhibition. In this antiviral assay for interferon about 1 unit/ml of interferon is the quantity necessary to produce a cytopathic effect of 50%. Because there is no international Bo-IFN- tau standard, units were determined with respect to the international reference standard for human interferon alpha A (Hu-IFN- A) provided by the National Institutes of Health. Unit of activity was measured on bovine MDBK cells with vesicular stomatitis virus (VSV).		
Storage & Stability:	After receipt, this product should be kept at -20°C or aliquoted in one time use volumes and stored at -80°C or below for retention of full activity. Dilute only in buffers containing protein such as 0.1% bovine serum albumin (BSA). Over time, a portion of the carboxy terminal end may get clipped off, resulting in some protein with a molecular weight of less than 20,000. Both the original bovine interferon tau and the clipped protein should maintain their biological activity.		

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