



ABSF80

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Recombinant Human Interferon-alpha 2b

Catalog No.:	ABSF80
Quantity:	0.1 mg
Concentration:	1 mg/ml
Background:	IFN-alpha is produced by macrophages and has antiviral activities. Interferon stimulates the production of two enzymes: protein kinase and an oligoadenylate synthetase.
Source:	E. coli
Format:	State: Sterile Filtered White lyophilized (freeze-dried) powder. Purity: Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
	Buffer System: Lyophilized from a solution in containing 2.3 mg Sodium phosphate dibasic and 0.55 mg sodium phosphate monobasic buffer.
	Reconstitution: It is recommended to reconstitute the lyophilized Interferon-alpha 2b in sterile 18MO-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Description:	Interferon-a 2b Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 165 amino acids. The Interferon-alpha 2b gene was obtained from human leukocytes. The IFN-a 2b is purified by proprietary chromatographic techniques.
	AA Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Cys-Asp-Leu-Pro-Gln. N-terminal methionine has been completely removed enzymatically.
	Biological Activity: The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 2.6 x 10 ⁸ IU/ mg.
	Molecular weight: 19269 Dalton
Add. Information:	Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 0.924 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of Recombinant Interferon-alpha 2b as a Reference Standard.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service

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Storage: Lyophilized Interferon-alpha 2b although stable at room temperature for 3 weeks, should be stored desiccated below -18 C. Upon reconstitution IFN alpha 2b should be stored at 4 C between 2-7 days and for future use below -18 C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

General References:

1. Interstitial pneumonitis after combination therapy with pegylated interferon alpha-2b and ribavirin for chronic hepatitis C. Chang Gung Med J 2007 Jan-Feb;30(1):92-7
2. Peritoneal dissemination of hepatocellular carcinoma treated with a combination therapy of interferon-alpha-2b and oral tegafur/uracil. Intern Med 2007;46(9):565-9
3. Adenoviral mediated interferon-alpha 2b gene therapy suppresses the pro-angiogenic effect of vascular endothelial growth factor in superficial bladder cancer. J Urol 2007 May;177(5):1900-6
4. SCH 503034, a novel hepatitis C virus protease inhibitor, plus pegylated interferon alpha-2b for genotype 1 nonresponders. Gastroenterology 2007 Apr;132(4):1270-8
5. [Haemolytic uremic syndrome and acute mesenteric ischemia caused by interferon-alpha-2b in the treatment of Kaposi's sarcoma in an AIDS patient]. Ann Dermatol Venereol 2007 Jan;134(1):65-7
6. Viusid, a nutritional supplement, in combination with interferon alpha-2b and ribavirin in patients with chronic hepatitis C. Liver Int 2007 Mar;27(2):247-59

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