Datasheet for ABIN1096852

IFN alpha 2b Protein (Arg46)

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Overview

Quantity:	50 µg
Target:	IFN alpha 2b
Protein Characteristics:	Arg46
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Purpose:	Recombinant Human Interferon α2B Variant (Arg46)/IFN-α2B
Sequence:	MCDLPQTHSL GSRRTLMLLA QMRRISLFSC LKDRHDFGFP QEEFGNQFQK AETIPVLHEM IQQIFNLFST KDSSAAWDET LLDKFYTELY QQLNDLEACV IQGVGVTETP LMKEDSILAV RKYFQRITLY LKEKKYSPCA WEVVRAEIMR SFSLSTNLQE SLRSKE
Characteristics:	Recombinant Human Interferon-alpha2b produced in E. coli is a single non-glycosylated polypeptide chain containing 166 amino acids with a molecular mass of 19,4 kDa. The Interferon-alpha2b gene was obtained from human leukocytes.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	IFN alpha 2b
Alternative Name:	IFN-alpha 2B (IFN alpha 2b Products)
Background:	At least 23 different variants of IFN-alpha are known. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences by only one or two positions. Naturally occurring variants also include proteins that are truncated by 10 amino acids at the carboxyl-terminal end. Alternative Names: Interferon Alpha-2, IFN-Alpha-2, Interferon Alpha-A, LeIF A, IFNA2
Molecular Weight:	19.4 kDa
UniProt:	P01563

Application Details

Comment:	Biological activity: Specific Activity is greater than 1.0 x 108 IU/ mg as determined by a viral resistance assay using VSV-WISH cells.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months