Datasheet for ABIN7196280

# IFNA4 Protein (His tag)

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## Overview

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| Quantity: | 20 µg |
| Target: | IFNA4 (IFNa4) |
| Origin: | Human |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This IFNA4 protein is labelled with His tag. |

## Product Details

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| Purpose: | Recombinant Human IFNA4 Protein (His Tag)(Active) |
| Sequence: | Cys24-Asp189 |
| Characteristics: | A DNA sequence encoding the human IFNA4 (NP_066546.1) (Cys24-Asp189) was expressed with a polyhistidine tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Biological Activity Comment: | Measured in antiviral assays using WISH cells infected with vesicular stomatitis virus.The ED50 for this effect is 2-10pg/mL. |

## Target Details

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| Target: | IFNA4 (IFNa4) |
| Alternative Name: | IFNA4 (IFNa4 Products) |

## Target Details

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| Background: | Background: Interferon, alpha 4 (IFNA4) belongs to the alpha/beta interferon family. Two variants of IFNA4 (IFNA4a and IFNA4b) are known, which differ from each other by changes in their coding regions at nucleotide positions 220 and 410 and can be distinguished by selective restriction enzyme analysis. Interferons are produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. IFN-alpha, the first cytokine to be produced by recombinant DNA technology, has emerged as an important regulator of growth and differentiation, affecting cellular communication and signal transduction pathways as well as immunological control. Originally discovered as an antiviral substance, the efficacy of IFN-alpha in malignant, viral, immunological, angiogenic, inflammatory, and fibrotic diseases suggests a spectrum of interrelated pathophysiologies. IFN-alpha emerged as a prototypic tumor suppressor protein that represses the clinical tumorigenic phenotype in some malignancies capable of differentiation.<br>Synonym: Interferon alpha-4, Interferon alpha-4B, Interferon alpha-76,Interferon alpha-M1,IFNA4 |
| Molecular Weight: | 20.8 kDa |
| NCBI Accession: | NP_066546 |
| Pathways: | JAK-STAT Signaling, Hepatitis C |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile PBS, pH 7.4 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |