Bioactive

IFNA2 (Human) Recombinant Protein

Catalog # P8142 Size 25 ug

Specification

Product Description	Human IFNA2 (P01563, 24 a.a. - 188 a.a.) partial recombinant protein with His tag at C-terminus expressed in Nicotiana Sp.Plant.
Sequence	CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMKEDSILAVRKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE
Host	Plants
Theoretical MW (kDa)	19
Form	Lyophilized
Preparation Method	Nicotiana Sp.Plant
Purity	> 99.0% by SDS-PAGE
Activity	The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 6.1×10^8 Units/mg.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — IFNA2

Entrez GeneID	3440
Protein Accession#	P01563
Gene Name	IFNA2
Gene Alias	IFNA, INFA2, MGC125764, MGC125765
Gene Description	interferon, alpha 2
Omim ID	147562
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000021143|alpha-2a interferon|interferon alpha 2b|interferon alpha A

Pathway

- Antigen processing and presentation
- Autoimmune thyroid disease
- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Natural killer cell mediated cytotoxicity
- Regulation of autophagy
- Toll-like receptor signaling pathway

Disease

- Asthma
- Bronchiolitis
- Genetic Predisposition to Disease

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- Hepatitis B
- Hepatitis C
- Infant
- Lupus Erythematosus
- Malaria
- Respiratory Syncytial Virus Infections

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