

Interferon alpha 2/IFNA2 Recombinant Protein | IFNA2 recombinant protein

Interferon alpha 2/IFNA2 Protein, Human, Recombinant

CATALOG #
AAA257444

HOST
Yeast

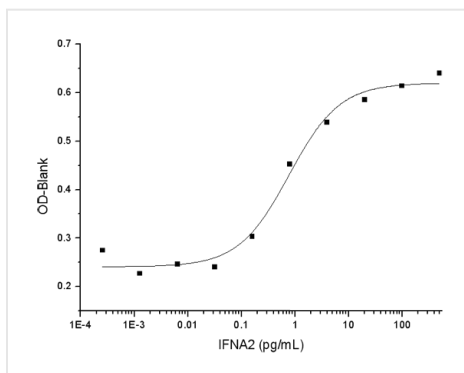
PRODUCT SYNONYMS

Interferon alpha 2/IFNA2; Interferon alpha 2/IFNA2 Protein; Human; Recombinant; Human Interferon alpha 2/IFNA2 Protein; interferon; alpha 2; IFN-alphaA Protein; IFNA Protein; IFNA2B Protein; IFNAB Protein; INFA2 Protein; Interferon alpha 2 Protein; IFNA2 recombinant protein

PRODUCT SPECIFICATIONS

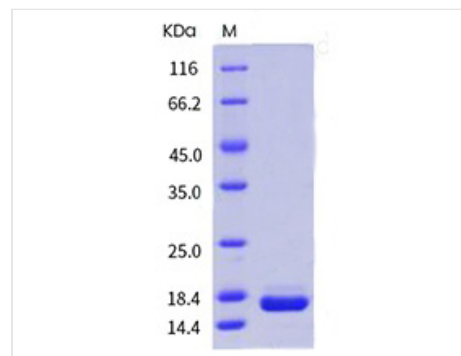
Host	Yeast
Purity/Purification	>95 % as determined by SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence Positions	165aa
Sequence	Cys24-Glu188
Species	Human
Predicted N Terminal	Cys24
Protein Construction	IA DNA sequence encoding the human IFNA2A (P01563.1) (Cys24-Glu188) was expressed
Activity	Measured in antiviral assays using WISH human amnion cells infected with vesicular stomatitis virus(VSV). The EC50 for this effect is typically 0.6-4.2pg/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Shipping: They are shipped out with blue ice pack

IMAGES



Application Data

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Application Data

ADDITIONAL INFORMATION

Related Product Information for IFNA2 recombinant protein	IFNA2 (Interferon Alpha 2) is a Protein Coding gene. This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded protein is a cytokine produced in response to viral infection. Type I Interferons (IFNs) are well-known cytokines that exert antiviral activity, antitumor activity, and immunomodulatory effects. Interferon tau (IFNT), a type I IFN similar to alpha IFNs (IFNA), is the pregnancy recognition signal produced by the ruminant conceptus. Among the IFN-alpha genes, a total of 28 different sequence variants have been described. The three principal subtypes of IFNalpha-2 are designated alpha-2a, alpha-2b, and alpha-2c. IFNalpha-2b is being the predominant allele while IFNalpha-2a is less predominant and IFNalpha-2c only a minor allelic variant.
References	Wang, et al. (2004) Fever of recombinant human interferon-alpha is mediated by opioid domain interaction with opioid receptor inducing prostaglandin E2. J Neuroimmunol. 156(1-2): 107-12.Groopman JE, et al. (1984) Recombinant alpha-2 interferon therapy for Kaposi's sarcoma associated with the acquired immunodeficiency syndrome. Ann Intern Med. 100(5): 671-6.Krueger JM, et al. (1987) Interferon alpha-2 enhances slow-wave sleep in rabbits. Int J Immunopharmacol. 9(1): 23-30.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11067751
NCBI GeneID	3440
NCBI Accession #	NP_000596.2
NCBI GenBank Nucleotide #	NM_000605.3
UniProt Accession #	P01563; P01564; Q14606; Q6DJX8; Q96KI6; H2DF54; H2DF55
Molecular Weight	21,550 Da
NCBI Official Full Name	interferon alpha-2
NCBI Official Synonym Full Names	interferon, alpha 2
NCBI Official Symbol	IFNA2
NCBI Official Synonym Symbols	IFNA; INFA2; IFNA2B; IFN-alphaA
NCBI Protein Information	interferon alpha-2; IFN-alpha-2; alpha-2a interferon; interferon alpha 2a; interferon alpha 2b; interferon alpha A; leIF A
UniProt Protein Name	Interferon alpha-2
UniProt Gene Name	IFNA2
UniProt Synonym Gene Names	IFNA2A; IFNA2B; IFNA2C; IFN-alpha-2; leIF A
UniProt Entry Name	IFNA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.