

For Research Use Only

Recombinant Mouse IFN-alpha 2/IFNA2 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3079

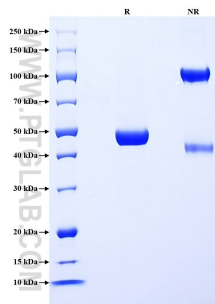
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse IFN-alpha 2 protein Cys24-Glu190 (Accession# P01573) with a rabbit IgG Fc tag at the C-terminus. GeneID: 15965 Accession: P01573 Predicted Molecular Mass: 45.4 kDa SDS-PAGE: 45-50 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Interferon-alpha (IFN-α) is a type I interferon that plays a crucial role in the immune response. It is produced by various cell types in response to viral infections and other stimuli. IFN-α has multiple functions, including the activation of immune cells, enhancement of antigen presentation, and the induction of antiviral states in cells. In mice, the Ifna2 gene encodes a specific isoform of IFN-α, which is involved in the regulation of the immune system and the defense against pathogens. The expression and function of Ifna2 in mice can be studied using various experimental models, including transgenic and knockout mice. These models help researchers understand the role of IFN-α in immune responses and the development of diseases such as viral infections and autoimmune disorders.		
References	<ol style="list-style-type: none">1. Huang C, Jin Y, et al. (2024). Acta Pharm Sin B. 14(11):4914-4933.2. Narovlyansky A, et al. (2024). Viruses. 16(11):1718.		
Synonyms	Ifna2, IFN alpha2, IFN-alpha 2, IFN-alpha-2, Interferon alpha 2		

For technical support and original validation data for this product please contact

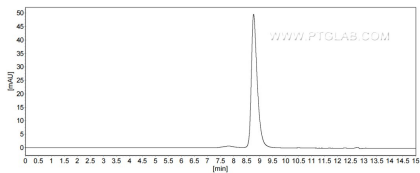
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Selected Validation Data



Purity of Recombinant Mouse IFN-alpha 2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse IFN-alpha 2 was greater than 90% as determined by SEC-HPLC.