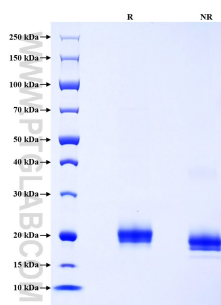


Recombinant Mouse Interferon alpha 1/IFNA1 protein (His Tag)

Catalog Number: Eg0682

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse Interferon alpha 1 protein Gys24-Lys189 (Accession# P01572) with a His tag at the C-terminus. GeneID: 15962 Accession: P01572 Predicted Molecular Mass: 20.2 kDa SDS-PAGE: 18-22 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. • 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	IFNA1 is a member of the Type I IFN (1) family best known for their antiviral activity. It is a key cytokine regulating the activity of B cells, T-helper cells (Th cells), cDCs and natural killer cells (NK cells). Interferon-alpha induces B cell maturation into plasma cells and immunoglobulin production. Interferon-alpha plays an important role in the pathogenesis of systemic lupus erythematosus (SLE). Interferon-alpha was the first cytokine to show clinical benefit in the treatment of certain types of cancer, including melanoma, chronic myelogenous leukemia, and renal cancer.		
References	1. Lande R. et al. (2010). Ann N Y Acad Sci. 1183: 89-103. 2. Poeck H. et al. (2004). Blood. 103: 3058-64. 3. Lindau D. et al. (2013). Ann Rheum Dis. Sep 7 4. Belardelli F. et al. (2002). Cytokine Growth Factor Rev. 13: 119-34. 5. Brassard DL. et al. (2002). J Leukoc Biol. 71: 565-81.		
Synonyms	Ifna1, interferon alpha 1, IFNA1, Ifa1, IFN alpha1		

Selected Validation Data



Purity of Recombinant Mouse Interferon alpha 1 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.

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

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