

For Research Use Only

Recombinant Mouse IFN- α 11/IFNA11 protein (rFc Tag)



Catalog Number: Eg2862

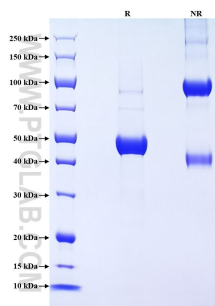
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse IFN-α11 protein Cys24-Ala190 (Accession# Q61716) with a rabbit IgG Fc tag at the C-terminus. GeneID: 15964 Accession: Q61716 Predicted Molecular Mass: 45.2 kDa SDS-PAGE: 46-50 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. • 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	IFN-α11 (Interferon-α Subtype 11) is a member of the type I interferon family, which includes multiple IFN-α subtypes and a single IFN-β. All type I IFN subtypes are genetically highly conserved and bind to the same receptor (IFN-α/β receptor, IFNAR), but they differ in their biological activity. IFN-α11 is induced to be expressed in response to viral infection, is produced by macrophages and stimulating the production of protein kinases and oligoadenylate synthetases, it has antiviral and immunomodulatory functions. During viral infection, IFN-α11 stimulates natural killer (NK) cells to regulate antiviral effects and control retroviral infection.		
References	1. Gibbert K, et al. PLoS Pathog. (2012);8(8):e1002868. 2. Fung MC, et al. J Immunol Methods. (2004); 284(1-2):177-86. 3. van Pesch V, et al. J Virol. (2004);78(15):8219-28.		
Synonyms	Ifna11, IFN- α -11, Interferon α -11, Limitin		

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 11 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.