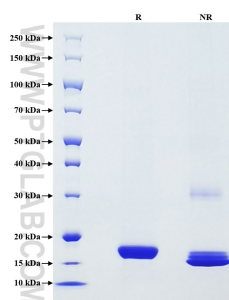


# Recombinant Human IFNA1 protein (His Tag)

Catalog Number: Eg1177

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human IFNA1 protein Cys24-Glu189 (Accession# P01562) with a His tag at the C-terminus.</p> <p><b>GeneID:</b> 3447/3439</p> <p><b>Accession:</b> P01562</p> <p><b>Predicted Molecular Mass:</b> 20.2 kDa</p> <p><b>SDS-PAGE:</b> 16-18 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>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.</p>		
References	<ol style="list-style-type: none"><li>1. Lande R. et al. (2010). Ann N Y Acad Sci. 1183: 89-103.</li><li>2. Poeck H. et al. (2004). Blood. 103: 3058-64.</li><li>3. Lindau D. et al. (2013). Ann Rheum Dis. Sep 7</li><li>4. Belardelli F. et al. (2002). Cytokine Growth Factor Rev. 13: 119-34.</li><li>5. Brassard DL. et al. (2002). J Leukoc Biol. 71: 565-81.</li></ol>		
Synonyms	IFNA13, IFN alpha 1/13, IFNA1, Interferon alpha 1/13		

## Selected Validation Data



Purity of Recombinant Human IFNA1 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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