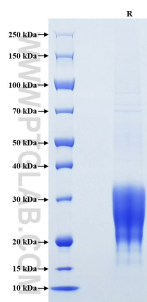


Recombinant Mouse IFN-gamma/IFNG protein (His Tag)

Catalog Number: Eg0334

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse IFN-gamma protein His23-Cys155 (Accession# P01580) with a His tag at the C-terminus.</p> <p>GeneID: 15978</p> <p>Accession: P01580</p> <p>Predicted Molecular Mass: 19.3 kDa</p> <p>SDS-PAGE: 20-35 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <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. <p>Shipping: 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>The IFNs were originally discovered as agents that interfere with viral replication. Initially, they were classified by the secreting cell type but are now classified into type I and type II according to receptor specificity and sequence homology. Interferon gamma (IFN-γ) is a soluble cytokine that is the only member of the type II class of interferons. It is secreted by Th1 cells, cytotoxic T cells and NK cells. The cytokine is associated with antiviral, immunoregulatory and anti-tumor properties and is a potent activator of macrophages. It plays crucial roles in pathogen clearance. Aberrant Ifng expression is associated with a number of autoinflammatory and autoimmune diseases. It has been identified in many studies as a biomarker for pleural tuberculosis (TB). Mutations in this gene are associated with aplastic anemia.</p>		
References	<ol style="list-style-type: none"> 1. Isaacs, A. et al.(1957). The interferon Proc. R. Soc. Lond. B Biol. Sci. 147: 258-267. 2. Gray PW. et al. (1982). Nature. 298 : 859-63. 3. Bullens, D. M. et al.(2001). Int. Immunol. 13: 181-191. 4. Wang Z. et al.(2014). Biosci Biotechnol Biochem.78: 588-92. 5. Chegou NN. et al.(2012). PLoS One.7(6):e38501 		
Synonyms	IFN gamma, Ifng, IFN-gamma, Ifg, IFN g		

Selected Validation Data



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

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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