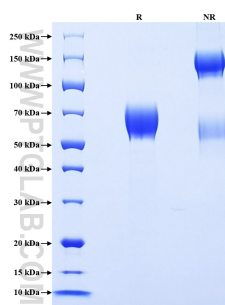


Recombinant Human IFNGR1 protein (rFc Tag)

Catalog Number: Eg2999

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human IFNGR1 protein Glu18-Gly245 (Accession# P15260-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 3459</p> <p>Accession: P15260-1</p> <p>Predicted Molecular Mass: 51.8 kDa</p> <p>SDS-PAGE: 52-75 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>IFNGR1 (Interferon Gamma Receptor 1) is a cytokine critical for innate and adaptive immunity against viral and intracellular bacterial infections and for tumor control. Cellular responses to IFN- γ are activated through its interaction with a heterodimeric receptor consisting of two subunits, IFNGR1 (CD119) and IFNGR2. IFNGR1 is the ligand-binding subunit which binds IFN- γ with high affinity, whereas IFNGR2 serves as the accessory subunit. Two subunits bind one IFN- γ dimer. Defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection.</p>		
References	<ol style="list-style-type: none">1. Jamie R Schoenborn. et al. (2007). Adv Immunol. 96:41-101.2. J G Allen. et al.(1976). JAMA. 235(13):1327.3. J Larkin 3rd. et al. (2000). J Interferon Cytokine Res. 20(6):565-576.		
Synonyms	IFNGR1, CD119, IFN gamma R1, IFN gamma receptor 1, IFN-gamma R1		

Selected Validation Data



Purity of Recombinant Human IFNGR1 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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