

IFN γ R1

Recombinant Human IFN-gamma Receptor 1 / CD119 (His & Fc Tag)

Catalog No.	CRH455A-HisFc CRH455B-HisFc	Quantity:	100 μ g 200 μ g
Alternate Names:	Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R, CDw119, Interferon gamma receptor alpha-chain, IFN-gamma-R-alpha, CD119		
Description:	Interferon-gamma receptor 1 (CD119) is part of the heterodimeric gamma interferon receptor which consists of IFN γ R1 and IFN γ R2. The IFN γ R1 gene encodes the ligand-binding chain (alpha) of the interferon receptor while IFN γ R2 gene encodes the non-ligand binding partner. The activity of interferon-gamma is achieved through binding to the interferon-gamma receptor. After binding, the products of activated T-lymphocytes interferon-gamma exerts antiviral activity, growth inhibitory effect, and several immune-regulatory activities on a variety of cell types.		
UniProt ID:	P15260		
Accession Number:	NP_000407.1		
Protein Construction:	A DNA sequence encoding the extracellular domain (Met 1-Gly 245) of human IFN- γ receptor 1 pre-protein was fused with C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.		
Source:	HEK293 Cells		
Formulation:	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The rhIFN- γ R1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 475 aa with a predicted MW of 53.7 kDa and migrates in reduced SDS-PAGE at ~75-80 kDa, due to the glycosylation.		
Purity:	> 87 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method		
Biological Activity:	Measured by its ability to inhibit rhIFN- γ mediated protection of WISH cells infected with vesicular stomatitis virus(VSV). ED50 for this effect is typically 0.4-2 μ g/mL.		
Predicted N-terminal:	Glu 18		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



Cell Sciences®

65 Parker Street

Unit 11

Newburyport, MA 01950

Toll Free: 888-769-1246

Phone: 978-572-1070

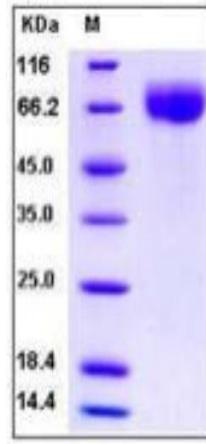
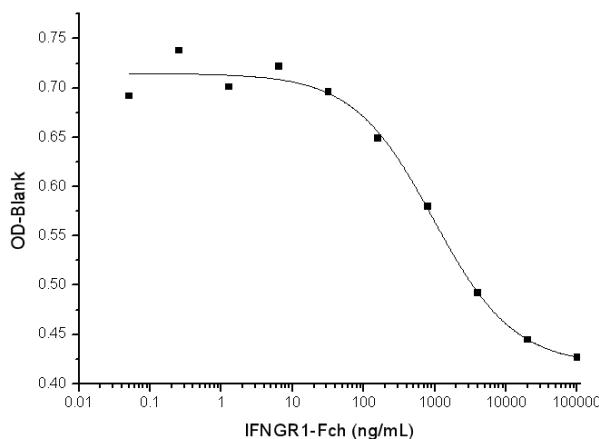
Fax: 978-992-0298

E-mail: info@cellsciences.com

Website: www.cellsciences.com

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SDS-PAGE



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