

IFNGR1

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

Catalog No.	CRH455A-His CRH455B-His	Quantity: 100 µg 200 µg
Alternate Names:	Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R1, 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 IFNGR1 and IFNGR2. The IFNGR1 gene encodes the ligand-binding chain (alpha) of the interferon receptor while IFNGR2 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-γR1 pre-protein was expressed, fused with a polyhistidine tag 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-γR1 consists of 239 aa after removal of the signal peptide with a predicted MW of 27.3 kDa and migrates in reduced SDS-PAGE at ~40-35 kDa, due to the glycosylation.	
Purity:	> 97 % as determined by SDS-PAGE	
Endotoxin Level:	< 1.0 EU per µg 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). The ED50 for this effect is typically 2-8 µg/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

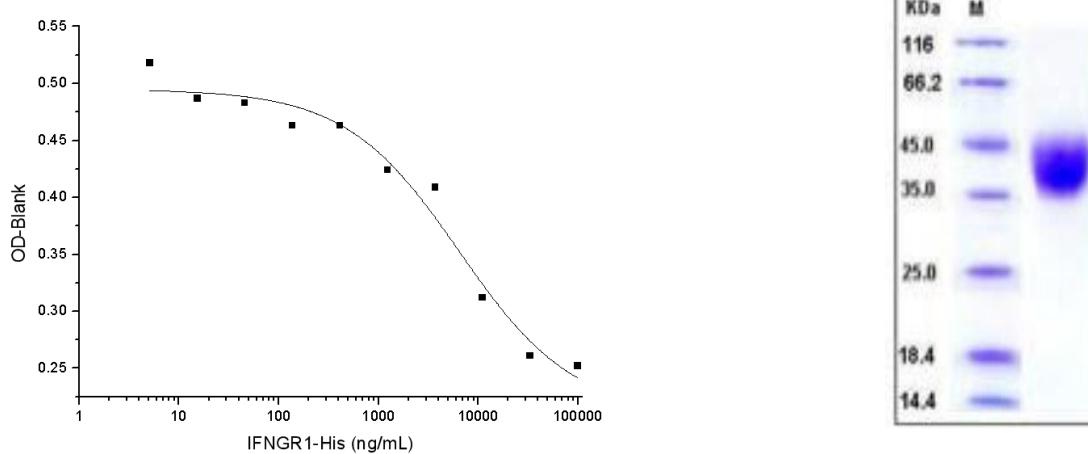
Fax: 978-992-0298

E-mail: info@cellsciences.com

Website: www.cellsciences.com

Measured by its ability to inhibit rhIFN- γ mediated protection of WISH cells infected with vesicular stomatitis virus(VSV). The ED50 for this effect is typically 2-8 μ g/mL.

SDS-PAGE



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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