

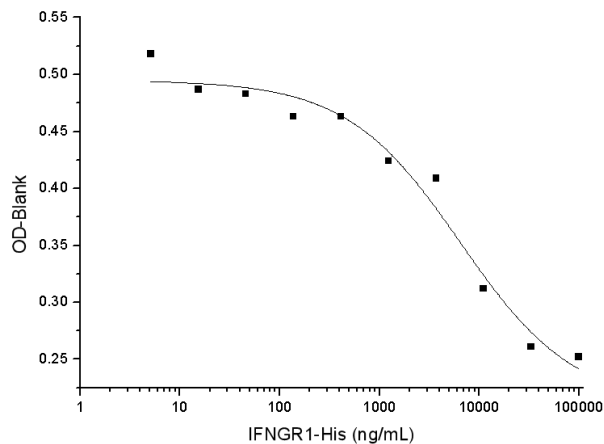
## IFNGR1

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

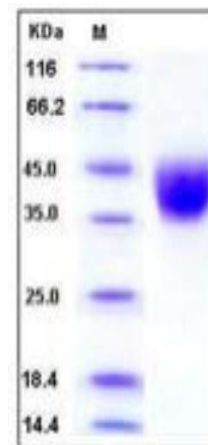
<b>Catalog No.</b>	CRH455A-His CRH455B-His	<b>Quantity:</b>	100 µg 200 µg
<b>Alternate Names:</b>	Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R1, CDw119, Interferon gamma receptor alpha-chain, IFN-gamma-R-alpha, CD119		
<b>Description:</b>	Interferon-gamma receptor 1 (CD119) is part of the heterodimeric gamma interferon receptor which consists of IFNGR1 and IFNGR2. The IFNGR1 gene encodes the ligand-binding chain (alpha) of the interteron 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.		
<b>UniProt ID:</b>	P15260		
<b>Accession Number:</b>	NP_000407.1		
<b>Protein Construction:</b>	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.		
<b>Source:</b>	HEK293 Cells		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	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.		
<b>Purity:</b>	> 97 % as determined by SDS-PAGE		
<b>Endotoxin Level:</b>	< 1.0 EU per µg of the protein as determined by the LAL method		
<b>Biological Activity:</b>	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.		
<b>Predicted N-terminal:</b>	Glu 18		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> 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. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		



Measured by its ability to inhibit rhIFN- $\gamma$  mediated protection of WISH cells infected with vesicular stomatitis virus(VSV). The ED50 for this effect is typically 2-8  $\mu\text{g/mL}$ .



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](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)