

Active Recombinant Mouse Ifngr1 protein(Met1-Asp253), His-tagged

Cat. No. Ifngr1-6954M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IFNGR1 (P15261) extracellular domain (Met 1-Asp 253) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Asp253
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized Mouse IFNGR1-His at 2 µg/mL (100 µl/well) can bind mouse IFNG-Fc, The EC50 of mouse IFNG-Fc is 20-100 ng/mL. 2. Measured by its ability to inhibit mIFN γ mediated protection of L929 cells infected with vesicular stomatitisvirus (VSV). The ED50 for this effect is 40-200 ng/mL.
Molecular Mass	The recombinant mouse IFNGR1 consists of 242 amino acids and has a predicted molecular mass of 27.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmIFNGR1 is approximately 40-45 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Ifngr1 interferon gamma receptor 1 \[Mus musculus \]](#)

Official Symbol [Ifngr1](#)

Synonyms IFNGR1; interferon gamma receptor 1; IFN-gamma-R1; INF-g receptor; IFN-gamma receptor 1; interferon-gamma receptor 1; Ifgr; CD119; Ifngr; Nktar; IFN-gammaR;

Gene ID [15979](#)

mRNA Refseq [NM_010511](#)

Protein Refseq [NP_034641](#)

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