

Datasheet for ABIN7504424

Interferon gamma Protein (IFNG) (AA 24-166)[Go to Product page](#)

Overview

Quantity: 100 µg

Target: Interferon gamma (IFNG)

Protein Characteristics: AA 24-166

Origin: Human

Source: Escherichia coli (E. coli)

Protein Type: Recombinant

Product Details

Purpose: Human IFN gamma/IFNG Protein

Sequence: Gln24-Gln166

Characteristics: Recombinant Human IFN gamma/IFNG Protein is expressed from E.coli without tag.It contains Gln24-Gln166.

Purity: > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC

Sterility: 0.22 µm filtered

Endotoxin Level: Less than 1EU per µg by the LAL method.

Target Details

Target: Interferon gamma (IFNG)

Alternative Name: IFN gamma ([IFNG Products](#))

Background: Interferon-gamma (IFN gamma) is a cytokine that plays physiologically important roles in

Target Details

promoting innate and adaptive immune responses. The absence of IFN gamma production or cellular responsiveness in humans and experimental animals significantly predisposes the host to microbial infection, a result that validates the physiologic importance of this cytokine in preventing infectious disease.

Molecular Weight: 16.77 kDa same as Tris-Bis PAGE result.

UniProt: [P01579](#)

Pathways: [Interferon-gamma Pathway](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [ER-Nucleus Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Protein targeting to Nucleus](#), [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in 50 mM Tris (pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months