Recombinant Human IFN-alpha 1/13 (Q114A) Protein

RPCB0145

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPCB0145

Contents: 50 µg, 100 µg
Bradford Reagent (1 vial, 2ml)

Reactivity: Human

Gene ID: 3439

Expression Host: E. coli

Tags: C-His

Synonyms: IFNA1, IFL, IFN, IFN-ALPHA, IFN-alphaD, IFNA13, IFNA

Calculated MW: 21.01 kDa

Observed MW: 18 kDa

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human IFN-alpha 1/13(Q114A) Protein (RPCB0145), tested reactivity in E. coli and has been validated in SDS-PAGE.100% guaranteed.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol.

Storage: Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

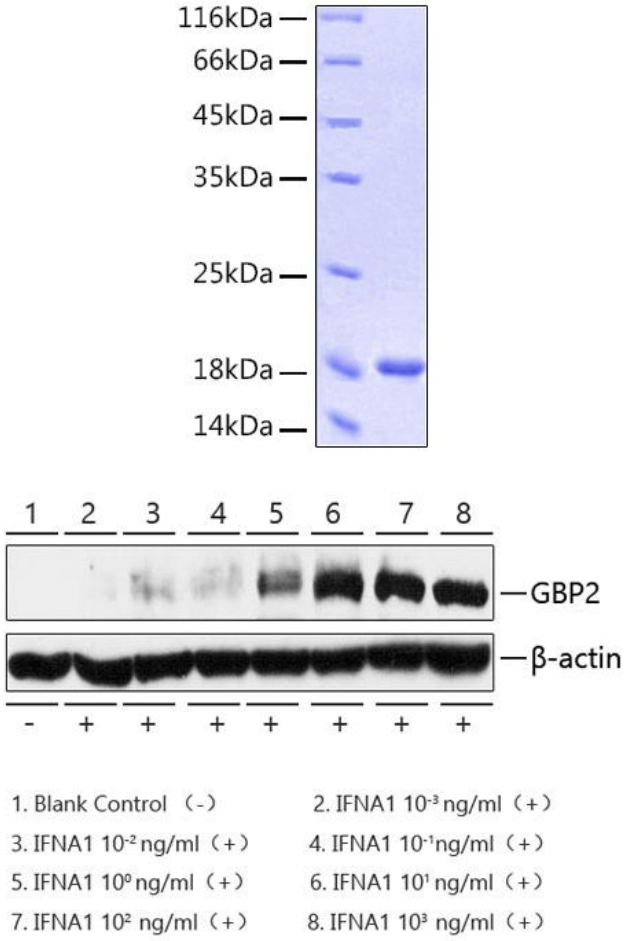
Background: IFNA1, also known as IFN-alpha and IFNA, belongs to the alpha/beta interferon family. Interferons(IFNs) are proteins made and released by host cells in response to the presence of pathogens such as viruses, bacteria, parasites or tumor cells.Leukocyte interferon is produced predominantly by B lymphocytes. Immune interferon is produced by mitogen- or antigen-stimulated T lymphocytes. IFNA1 is produced by macrophages and has has both anti-viral and immunomodulatory activities on target cells.

Purification: ≥ 95 % as determined by SDS-PAGE.

Endotoxin: < 0.1 EU/μg of the protein by LAL method.

Validation Data

Image



Description

Recombinant Human IFN-alpha 1/13(Q114A) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

Active Recombinant Human IFNA1 stimulates GBP2 expression in 293T human embryonic kidney cells. 0.1-1ng/mL of Recombinant Human IFNA1 can effectively Stimulating GBP2 expression.