

Human IFNA1 Protein; His Tag

Product Information

Product Name	Human IFNA1 Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88621RP-100 / 100 μg GM-88621RP-1000 / 1 mg

Protein Information

Alternative Names	IFN-alpha 1, IFNalpha 1, IFN-alpha-1, LeIF D
Source	Human IFNA1 Protein; His Tag (GM-88621RP) is expressed from human 293 cells (HEK-293). It contains AA Cys 24 - Glu 189 (Accession # P0DY56). This protein carries a His tag at the C-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	20.2 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Description	Interferon alpha-1 (IFNA1) is a secreted type I interferon encoded by an intronless gene within the alpha-interferon cluster at chromosome 9p21.3. Its 189-residue precursor comprises a 23-residue signal peptide and a 166-residue mature protein stabilized by two conserved disulfide bonds (Cys1–Cys99 and Cys29–Cys139). Produced by macrophages upon viral infection, IFNA1 engages the ubiquitously expressed IFNAR1/IFNAR2 receptor and triggers JAK–STAT-dependent interferon-stimulated gene expression, conferring potent antiviral, antiproliferative and immunomodulatory activity, and is implicated in preeclampsia pathogenesis. Its mature form has been structurally resolved in complex with a neutralizing antibody.

Figures



Figure 1 | On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

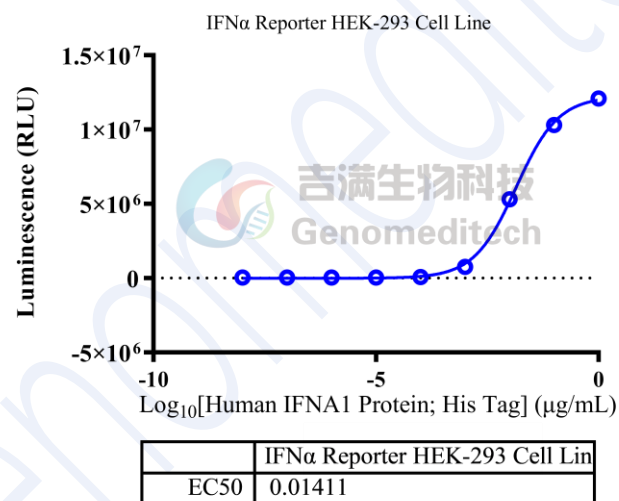


Figure 2 | Human IFNA1 Protein; His Tag (Catalog # GM-88621RP) was added into IFN α Reporter HEK-293 Cell Line (Catalog # GM-C21639) and stimulates related signals.

Related Products

CD40:CD40L	
H_CD40(TNFRSF5) Reporter 293 Cell Line	H_CD40(TNFRSF5) Reporter Jurkat Cell Line
Cynomolgus_CD40 CHO-K1 Cell Line	Cynomolgus_CD40L CHO-K1 Cell Line
H_CD40(TNFRSF5) CHO-K1 Cell Line	H_CD40(TNFRSF5) HEK-293 Cell Line
H_CD40L CHO-K1 Cell Line	H_CD40L HEK-293 Cell Line
Mouse_CD40L CHO-K1 Cell Line	Rabbit_CD40L NIH-3T3 Cell Line
Anti-CD40 hIgG1 Reference Antibody (Sotibio)	Anti-CD40 hIgG1 Reference Antibody (Tenebio)
Anti-CD40L hIgG1 Reference Antibody (Frebio)	Anti-H_CD40 hIgG1 Antibody(APX005M)
Anti-H_CD40 hIgG1 Antibody(ravagalimab)	Anti-H_CD40L hIgG1 Antibody(dapirolizumab)
Anti-H_CD40L hIgG1 Antibody(frexalimab)	
Biotinylated Human CD40 Protein; His-Avi Tag	Cynomolgus CD40 Protein; His Tag
Human CD40 Protein; His Tag	Human CD40L Protein; His Tag
IFN-α	
IFNα Reporter HEK-293 Cell Line	IFNα Reporter MDCK Cell Line
IFNα Reporter THP1 Cell Line	
IFN-γ	
GAS Reporter HCT116 Cell Line	
BCMA:BAFFR:TACI	
H_BAFFR Jurkat Blockade Reporter Cell Line	H_BAFFR Reporter Cell Line
H_BCMA Reporter 293 Cell Line	H_BCMA Reporter Cell Line
H_TACI Reporter Cell Line	Cynomolgus_BCMA CHO-K1 Cell Line
Cynomolgus_BCMA CHO-K1 Cell Line (Low Expression)	Cynomolgus_BCMA HEK-293 Cell Line
H_BAFFR CHO-K1 Cell Line	H_BAFFR HEK-293 Cell Line
H_BCMA CHO-K1 Cell Line (Low Expression)	H_BCMA HEK-293 Cell Line
Membrane Bound H APRIL(Trimer) HEK-293 Cell Line	
Anti-BAFF hIgG1 Antibody(belimumab)	Anti-BAFFR hIgG1 Antibody(ianalumab)
Anti-BCMA hIgG1 Antibody(Belantamab)	Anti-BCMA hIgG1 Antibody(SEA-BCMA)
Anti-BCMA hIgG4 Antibody(BCMB69)	Anti-CD3E×BCMA hIgG4 Reference Antibody (Tecbio)
Anti-TNFSF13B(BAFF) hIgG1 Reference Antibody (Belibio)	
Biotinylated Human BAFF Protein; His-Avi Tag	Biotinylated Human BCMA Protein; His-Avi Tag
Cynomolgus BAFF Protein; His Tag	Cynomolgus BCMA Protein; hFc Tag
Cynomolgus BCMA Protein; His Tag	Human APRIL Protein; hFc Tag
Human BCMA Protein; hFc Tag	Human BCMA Protein; His Tag
Mouse BAFF Protein; His Tag	
BDCA2(CLEC4C)	
H_BDCA2 Reporter DDX35TM Jurkat Cell Line	H_BDCA2 Reporter Jurkat Cell Line
Cynomolgus_BDCA2 CHO-K1 Cell Line	Cynomolgus_BDCA2 Jurkat Cell Line
H_BDCA2 CHO-K1 Cell Line	H_BDCA2 HEK-293 Cell Line
H_BDCA2 Jurkat Cell Line	

Version:5.0

Anti-H BDCA2 hIgG1 Antibody(Litifilimab)	
Cynomolgus BDCA2 Protein; His Tag	Human BDCA2 Protein; His Tag

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