

Product Sheet



Human IFNO Protein; His Tag

GM-88705RP-100 / 100 µg

GM-88705RP-1000 / 1 mg

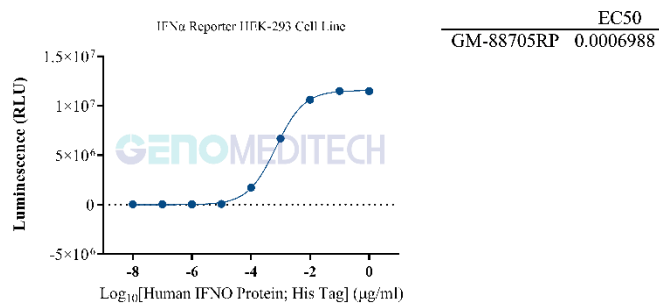
Product Information

Product Name	Human IFNO Protein; His Tag
Source	Human IFNO Protein; His Tag (GM-88705RP) is expressed from human 293 cells (HEK-293). It contains AA Leu 22 - Ser 195 (Accession # P05000). This protein carries a His tag at the C-terminus.
Predicted MW	21.0 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/µg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 µm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70°C, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	IFNW1, IFN-omega
Background	Interferon omega-1 (IFN-ω), encoded by the intronless IFNW1 gene located on chromosome 9p21.3, is a secreted type I interferon belonging to the alpha/beta interferon family. Synthesized as a 195-amino-acid precursor with a signal peptide, the mature glycoprotein adopts a classical four-helix-bundle cytokine fold and signals through the IFNAR1/IFNAR2 receptor complex, activating JAK–STAT-dependent antiviral and immunoregulatory pathways. The crystal structure of the IFN-ω–IFNAR ternary complex revealed ligand-recognition modes conserved among type I interferons. Beyond its well-characterized antiviral activity, IFN-ω exhibits antitumor effects and has demonstrated clinical value in both human and veterinary applications.

Version 4.0.26.924

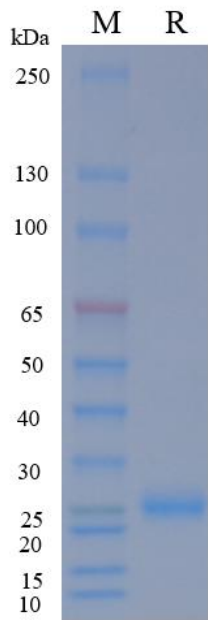
Data

Biological Activity



Human IFNO Protein; His Tag (Catalog # GM-88705RP) was added into IFN α Reporter HEK-293 Cell Line (Catalog # GM-C21639) and stimulates related signals.

Purity



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

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
Human CD40L Protein; His Tag (Trimer Design)	
IFN- α	
IFN α Reporter HEK-293 Cell Line	IFN α Reporter MDCK Cell Line
IFN α Reporter THP1 Cell Line	
Human IFNA1 Protein; His Tag	Human IFNG Protein; His Tag
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 $\times$ 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	
Anti-H_BDCA2 hIgG1 Antibody(Litifilimab)	
Cynomolgus BDCA2 Protein; His Tag	Human BDCA2 Protein; His Tag