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Product Sheet

Human IFNA2B Protein; His Tag

GM-88622RP-100 / 100 μg
GM-88622RP-1000 / 1 mg

Product Information

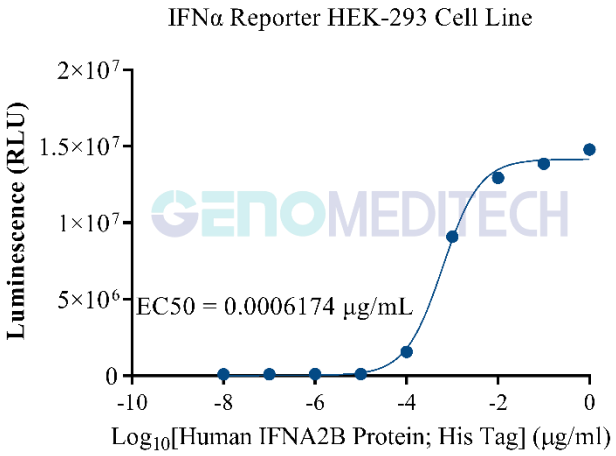
Product Name	Human IFNA2B Protein; His Tag
Source	Human IFNA2B Protein; His Tag (GM-88622RP) is expressed from human 293 cells (HEK-293). It contains AA Cys 24 - Glu 188 (Accession # P01563). This protein carries a His tag at the C-terminus.
Predicted MW	20.1 kDa
Purity	> 90% as determined by SDS-PAGE
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℃, 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	IFN-alpha 2b, IFNA2B, IFN-alpha 2 (alpha 2b), interferon alpha 2b
Background	Interferon alpha-2B (IFN-α2b) is a secreted type I interferon cytokine predominantly produced by macrophages during viral infection. The 188-residue precursor is processed into a mature ~21 kDa polypeptide that adopts a four-helix bundle conformation stabilized by two conserved disulfide bonds and a threonine O-linked glycan. IFN-α2b engages the IFNAR2 subunit of the heterodimeric type I interferon receptor, triggering canonical JAK-STAT signaling and induction of interferon-stimulated genes that orchestrate antiviral defense and modulate adaptive immunity. Beyond its physiological role in innate host protection, recombinant IFN-α2b has been clinically developed as an antiproliferative and antiviral therapeutic agent, approved for the treatment of chronic viral infections and certain malignancies.

Version 4.0.26.1020

For research use only!

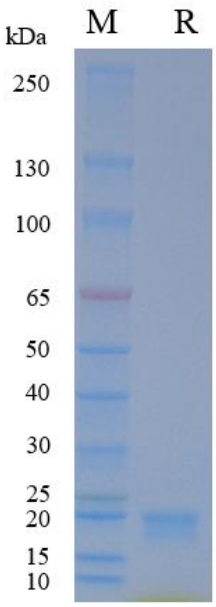
Data

Biological Activity



Human IFNA2B Protein; His Tag (Catalog # GM-88622RP) was added into IFNα 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	
IFNα Reporter HEK-293 Cell Line	IFNα Reporter MDCK Cell Line
IFNα Reporter THP1 Cell Line	
Human IFNA1 Protein; hFc Tag	Human IFNA1 Protein; His Tag
Human IFNA2A Protein; hFc Tag	Human IFNA2A Protein; His Tag
Human IFNA2B Protein; hFc Tag	Human IFNG Protein; His Tag
Human IFNO Protein; hFc Tag	Human IFNO Protein; His Tag
IFN-γ	
GAS Reporter HCT116 Cell Line	
BCMA:BAFFR:TACI	
H_BCMA KO MM.1R Cell Line	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	
Anti-H_BDCA2 hIgG1 Antibody(Litifilimab)	
Cynomolgus BDCA2 Protein; His Tag	Human BDCA2 Protein; His Tag

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