

Active Recombinant Human IFNA2 protein, His-tagged

Cat. No. IFNA2-2499H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IFNA2 protein(P01563)(24~188 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	24-188 aa
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Interferon alpha-2 (IFNα2) is a cytokine belonging to the family of type I IFNs. In addition to their antiviral activity, IFNα2 also inhibit the proliferation of cells and regulate the activation of the immune system. Type I IFNs exert potent antitumor activity by several mechanisms such as inhibition of the proliferation of cancer cells, activation of the immune system which can eliminate tumor cells and increasing the antitumor activity of other antitumoral agents. Besides, Interferon Alpha/Beta Receptor 2 (IFNα/bR2) has been identified as an interactor of IFNα2, thus a binding ELISA assay was conducted to detect the interaction of recombinant human IFNα2 and recombinant human IFNα/bR2. Briefly, IFNα2 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IFNα/bR2-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IFNα2pAb, then aspirated and washed 3

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times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of IFNα2 and IFNα/bR2 was in a dose dependent manner.

Molecular Mass 23.0kDa

Purity > 95% as determined by SDS-PAGE.

Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name IFNA2 interferon, alpha 2 [Homo sapiens]

Official Symbol IFNA2

Synonyms IFNA2; interferon, alpha 2; interferon alpha-2; alpha 2a interferon; IFN alphaA; IFNA; interferon alpha 2b; interferon alpha A; IeIF A; IFN-alpha-2; alpha-2a interferon; INFA2; IFNA2B; IFN-alphaA; MGC125764; MGC125765;

Gene ID 3440

mRNA Refseq NM_000605

Protein Refseq NP_000596

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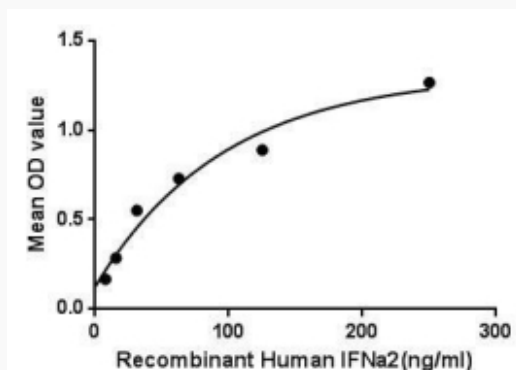
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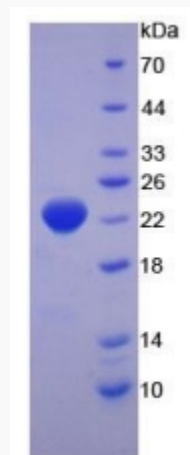
MIM 147562

UniProt ID P01563

Activity



SDS-PAGE



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