

Active Recombinant Human IFNA1 protein, His-tagged

Cat. No. IFNA1-2565H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IFN-alpha 1/13(Q114A) Protein is produced by E. coli expression system. The target protein is expressed with sequence (Cys24-Glu189 (Ala114)) of human IFNA1 (Accession #NP_076918.1) fused with an initial Met at the N-terminus and a 6xHis tag at the C-terminus.
Species	Human
Source	E.coli
ProteinLength	Cys24-Glu189 (Ala114)
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	<p>Measured by its ability to stimulate GBP2 expression in 293T human embryonic kidney cells. 0.1-1 ng/mL of Recombinant Human IFNA1 can effectively Stimulating GBP2 expression.</p> <p>2.Measured by its ability to stimulate human colon adenocarcinoma cells (Caco-2 cells). 10 ng/µL of Recombinant Human IFN-alpha 1/13(Q114A) can upregulate the expression of MDA5.</p>
Molecular Mass	18 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	> 97% by SDS-PAGE.

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Storage Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Reconstitution Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

GENE INFORMATION

Gene Name IFNA1 interferon, alpha 1 [Homo sapiens]

Official Symbol IFNA1

Synonyms IFNA1; interferon, alpha 1; interferon alpha-1/13; IFL; IFN; IFN ALPHA; IFN alpha 1b; IFN alphaD; IFNA13; IFNA@; interferon alpha 1b; IeIF D; IFN-alpha 1b; IFN-alpha-1/13; interferon-alpha1; interferon alpha-D; IFN-ALPHA; IFN-alphaD; MGC138207; MGC138505; MGC138507;

Gene ID 3439

mRNA Refseq NM_024013

Protein Refseq NP_076918

MIM 147660

UniProt ID P01562

SDS-PAGE

Bio-activity

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