

Active Recombinant Human Full Length IFNA17 Protein

Cat. No. IFNA17-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IFN-alpha I/IFN17 Protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Full Length
Description	Predicted to enable cytokine activity and type I interferon receptor binding activity. Predicted to be involved in several processes, including B cell activation; lymphocyte activation involved in immune response; and positive regulation of peptidyl-serine phosphorylation of STAT protein. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Implicated in Crimean-Congo hemorrhagic fever and sarcoidosis.
Form	Lyophilized
Bio-activity	Measured in anti-viral assays using HeLa human cervical epithelial carcinoma cells infected with encephalomyocarditis (EMC) virus. The ED50 for this effect is 1.00-20.0 pg/mL.
Molecular Mass	Predicted Molecular Mass: 19 kDa SDS-PAGE: 18-22 kDa, under reducing conditions.

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N-terminal Sequence Analysis	Cys24
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95 %, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Applications	Bioactivity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 100 μg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

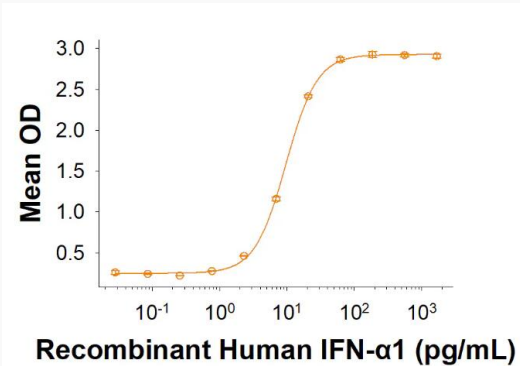
GENE INFORMATION

Gene Name	IFNA17 interferon, alpha 17 [Homo sapiens (human)]
Official Symbol	IFNA17
Synonyms	IFNA17; interferon, alpha 17; interferon alpha-17; IFN alphas; LEIF2C1; leIF I; IFN-alpha-17; interferon alpha-T; interferon alpha-88; interferon alpha-I; interferon alpha-WA; IFNA; INFA; IFN-alphas;

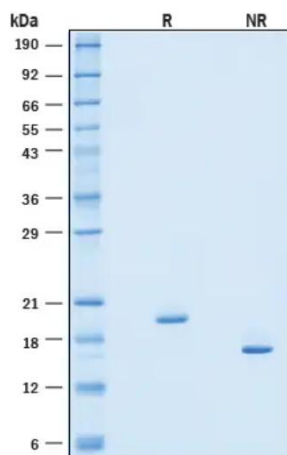
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Gene ID	3451												
mRNA Refseq	NM_021268												
Protein Refseq	NP_067091												
MIM	147583												
UniProt ID	P01571												
Bioactivity	 <table border="1"> <caption>Approximate data points from the bioactivity graph</caption> <thead> <tr> <th>Recombinant Human IFN-α1 (pg/mL)</th> <th>Mean OD</th> </tr> </thead> <tbody> <tr><td>10⁻¹</td><td>0.3</td></tr> <tr><td>10⁰</td><td>0.4</td></tr> <tr><td>10¹</td><td>1.2</td></tr> <tr><td>10²</td><td>2.9</td></tr> <tr><td>10³</td><td>2.9</td></tr> </tbody> </table>	Recombinant Human IFN-α1 (pg/mL)	Mean OD	10 ⁻¹	0.3	10 ⁰	0.4	10 ¹	1.2	10 ²	2.9	10 ³	2.9
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SDS-PAGE



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