

## Interferon Alpha (IFNa) Active Protein | IFNa active protein

Active Interferon Alpha (IFNa)

|                               |                       |                                                     |
|-------------------------------|-----------------------|-----------------------------------------------------|
| CATALOG #<br><b>AAA152952</b> | HOST<br><b>E coli</b> | APPLICATIONS<br><b>Activity Assay, Cell Culture</b> |
|-------------------------------|-----------------------|-----------------------------------------------------|

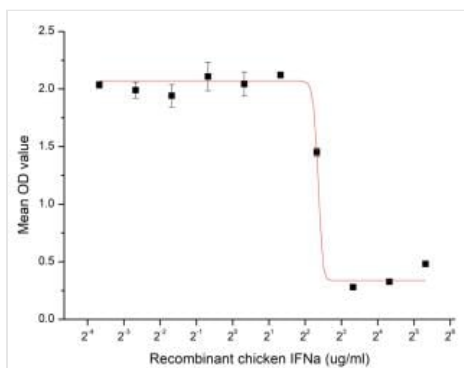
### PRODUCT SYNONYMS

Interferon Alpha (IFNa); Active Interferon Alpha (IFNa); Interferon Alpha; IFNa active protein (prokaryotic); Chicken; IFNA1; IFL; LeIF D; IFN; IFN-Alpha; IFNA13; IFN-A; IFNAP22; IFN-Alpha 1b; Interferon Alpha 1b; Interferon; Leukocytic; Leukocyte; Interferon alpha-D; IFNa active protein

### PRODUCT SPECIFICATIONS

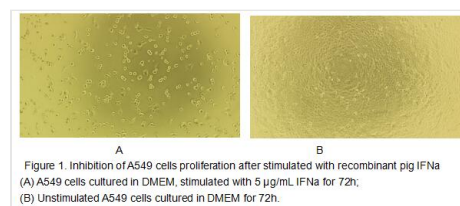
|                                                 |                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                            | E coli                                                                                                       |
| Purity/Purification                             | Greater than 95% by SDS-PAGE                                                                                 |
| Form/Format                                     | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.<br>Freeze-dried powder                                       |
| Sequence Positions                              | Leu47~Thr191                                                                                                 |
| Applicable Applications for IFNa active protein | Activity Assay, Cell Culture                                                                                 |
| Expression System                               | Prokaryotic expression                                                                                       |
| Species                                         | Chicken                                                                                                      |
| Tag                                             | N-terminal His and GST                                                                                       |
| Endotoxin Level                                 | <1.0EU per 1ug (determined by the LAL method)                                                                |
| Isoelectric Point                               | 6.8                                                                                                          |
| Research Area                                   | Cytokine                                                                                                     |
| Preparation and Storage                         | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored. |

### IMAGES



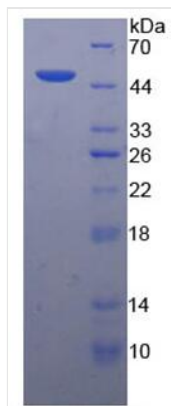
#### Bioactivity

Figure 2. Inhibition of A549 cells proliferation after stimulated with recombinant chicken IFN-alpha.



#### Bioactivity

Interferon-alpha (IFNa), also known as leukocyte interferon, represents a group of related but distinct proteins that share over 95% amino acid sequence homology. They are members of the type I interferon family which share a common cell surface receptor



SDS-PAGE  
Figure. SDS-PAGE

### ADDITIONAL INFORMATION

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Product Categories/Family for IFNa active protein | Active proteins |
|---------------------------------------------------|-----------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| NCBI GI #                        | 45382199                                                                                 |
| NCBI GeneID                      | 396398                                                                                   |
| NCBI Accession #                 | NP_990758.1                                                                              |
| NCBI GenBank Nucleotide #        | NM_205427.1                                                                              |
| UniProt Accession #              | P42165; Q90872                                                                           |
| Molecular Weight                 | 22,116 Da                                                                                |
| NCBI Official Full Name          | interferon type A1/A2                                                                    |
| NCBI Official Synonym Full Names | interferon                                                                               |
| NCBI Official Symbol             | IFNA3                                                                                    |
| NCBI Official Synonym Symbols    | IFNA; IFNA1; IFNA2; IFNA6; IFN-alpha; IFN-gamma                                          |
| NCBI Protein Information         | interferon type A1/A2; IFN alpha; interferon alpha; interferon type A3; interferon-alpha |
| UniProt Protein Name             | Interferon type A1/A2                                                                    |
| UniProt Gene Name                | IFNA1                                                                                    |
| UniProt Entry Name               | IFNA1_CHICK                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/interferon-alpha-ifna/152952>