

# Human IFN-alpha A (alpha 2a) Recombinant Protein

## Product Details

Size	>5x10 <sup>6</sup> units
Species	Human
Expression System	E. coli
Molecular weight	19.2 kDa
Class	Recombinant
Type	Protein
Activity	EC50 ~ 1 U/mL; determined by use of the cytopathic effect inhibition assay described in [Budd et al. (1985) Canc. Chem. Pharm. 12:39]. The units are determined by use of a Human IFN Alpha A (Hu IFN-alpha A [2a]) laboratory standard calibrated to the international reference standard for Human Interferon Alpha A provided by the National Institutes of Health [Meager et al. (2001) J. Immunol Methods. 257(1-2):17-33].
Conjugate	Unconjugated
Form	Liquid
Concentration	Lot-specific
Purification	Ion-exchange chromatography, Size-exclusion chromatography
Storage buffer	PBS with 0.1% BSA
Contains	no preservative
Storage conditions	-80° C, Avoid Freeze/Thaw Cycles

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	5 Publications

## Product Specific Information

Store at -70°C or below for retention of full activity. Thaw product vial by incubation in cold tap water until just thawed. Aliquot and refreeze unused contents to minimize effects of freeze thawing. Refreezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of product should be in buffers containing protein such as 0.1% BSA or tissue culture media with serum. Dilution for freezing of material below 2 x 10<sup>5</sup> units/mL is not recommended. One freeze thaw cycle is equivalent to thawing an aliquot prepared from the material received.

## 5 References

### Miscellaneous PubMed (5)

Journal of virology

#### The Polybasic Cleavage Site in SARS-CoV-2 Spike Modulates Viral Sensitivity to Type I Interferon and IFITM2.

Authors: Winstone H,Lista MJ,Reid AC,Bouton C,Pickering S,Galao RP,Kerridge C,Doores KJ,Swanson CM,Neil SJD

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2021

Cell reports

#### A Comprehensive Map of the Monocyte-Derived Dendritic Cell Transcriptional Network Engaged upon Innate Sensing of HIV.

Authors: Johnson JS,De Veaux N,Rives AW,Lahaye X,Lucas SY,Perot BP,Luka M,Garcia-Paredes V,Amon LM,Watters A,Abdessalem G,Aderem A,Manel N,Littman DR,Bonneau R,Ménager MM

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2020

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