



Product datasheet

Recombinant human Interferon alpha 2 protein
ab151900

Description	
Product name	Recombinant human Interferon alpha 2 protein
Biological activity	Specific Activity is 5.0 x 10 ⁶ IU/mg as determined by a viral resistance assay using VSV-WISH cells.
Purity	> 98 % SDS-PAGE. Purity is greater than 98% as determined by SEC-HPLC and reducing SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	Pichia pastoris
Accession	<u>P01563</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	DAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDH VKLVNEVTEFA KTCVADESAENCCKSLHTLFGDKLCTVATLRETYGEMAD CCAKQEPERNE CFLQHKDDNPPLRLVRPEVDVMCTAFHDNEETFLKKYL YEIARRHPYFY APELLFFAKRYKAAFTGCCQAADKAAACLLPKLDELRDEG KASSAKQRLKC ASLQKFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLT KVHTECCHGDL LECADDRADLAKYICENQDSISSKLKECCEKPLLEKSHCIA EVENDEMPA DLPSLAADFVESKDVCKNYAEAKDVFLGMFLYEYARRHP DYSVVLRLA KTYETTLKCCAAADPHECYAKVFDEFKPLVEEPQNLIKQ NCELFEQLGE YKFQNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCCK HPEAKRMPCAE DYSVVLNQLCVLHEKTPVSDRVTKCCTESLVNRRPCFS ALEVDETYVPK EFNAETFTFHADICTLSEKERQIKKQTALVELVKHKPKATK

EQLKAVMDD
FAAFVEKCKKADDKETCFAEEGKKLVAASQAALGLCDL
PQTHSLGSRRTL
MLLAQMRRISLFSLKDRHDFGFPQEEFGNQFQKAETIPV
LHEMIQQIFN
LFSTKDSSAAWDETLDDKFYTELYQQLNLEACVIQGVGV
TETPLMKEDS
ILAVRKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNL
QESLRSKE

Predicted molecular weight	86 kDa
Amino acids	24 to 188
Additional sequence information	Recombinant Interferon alpha 2 linked to human albumin.

Specifications

Our **Abpromise guarantee** covers the use of **ab151900** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies HPLC SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term. pH: 7.20 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. For long term storage aliquot and store at < -20°C.

General Info

Function	Produced by macrophages, IFN-alpha have antiviral activities.
Sequence similarities	Belongs to the alpha/beta interferon family.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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