Product datasheet

Recombinant human Interferon beta protein (Active) ab71475

Description

**Product name**  
Recombinant human Interferon beta protein (Active)

**Biological activity**  
Determined by a cytotoxicity assay using human TF-1 cells. The expected ED$_{50}$ is ≤ 0.1 ng/ml, corresponding to a specific activity of ≥ 1 x 10$^7$ units/mg.

**Purity**  
>= 95% SDS-PAGE.  
>= 95% HPLC analyses. Due to glycosylation, IFN-β has an approximate MW of 22.3 kDa based on SDS-PAGE gel.

**Endotoxin level**  
< 1.000 Eu/µg

**Expression system**  
CHO cells

**Accession**  
P01574

**Protein length**  
Full length protein

**Animal free**  
No

**Nature**  
Recombinant

**Species**  
Human

**Sequence**  
MSYNLLGFLO RSSNFOCGKL LWQNGRLEY CLKDRMNFDI PEEIKQLQF QKEDAALTLY EMLQNIHAIF RQDSSTGWN ETIVENLLANYHQINHLKT VLEEKLEKED FTRGKLMLSSL HLRKYGRIL HYLKAKEYSH CAWTVRVEILRNFYFINRL TGYLRN

**Predicted molecular weight**  
20 kDa

**Amino acids**  
22 to 187

**Additional sequence information**  
Full length mature protein, minus the signal peptide.

Specifications

Our Abpromise guarantee covers the use of ab71475 in the following tested applications.

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

**Applications**  
SDS-PAGE  
Functional Studies  
HPLC
Form
Lyophilized

Preparation and Storage

Stability and Storage
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function
Has antiviral, antibacterial and anticancer 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”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

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