



## Product Datasheet

<b>Product Name</b>	Interferon Regulatory Factor-1 Human Recombinant
<b>Cata No</b>	CB500351
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	IRF-1, IRF1, MAR.

### Description

IRF1, Interferon regulatory factor 1, is a member of the interferon regulatory transcription factor (IRF) family which regulates gene expression critical to immune response, hematopoiesis and proliferation. IRF-1 is a transcriptional activator for IFN-A, IFN-B, and IFN-G stimulated genes. IRF1 is also a tumor suppressor transcription factor inducing apoptosis of tumorigenic cell lines.

Interferon Regulatory Factor-1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 134 amino acids (1-114) with a His Tag of 20 aa, and having a molecular mass of 15 kDa.

The IRF-1 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered colorless solution.

### Purity

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

1mg/ml in 20mM Tris pH-8 and 10% glycerol.

### Stability

Liquid Interferon although stable at 10°C for 1 week, should be stored below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Sequence

**MGSSHHHHH SSGLVPRGSH**\_MPITRMRMRP  
WLEMQINSNQ IPGLIWINKE  
EMIFQIPWKHAAKHGWDINK DACLFRSWAI  
HTGRYKAGEK EPDPKTKAN FRCAMNSLPD  
IEEVKDQSRN KGSSAVRVYR MLPP