Recombinant human IRF1 protein

Catalog Number: IRF0702

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-114aa

UniProt No.
P10914

NCBI Accession No.
NP_002189

Alternative Names
Interferon regulatory factor-1, MAR, IRF1, Interferon regulatory factor 1, Interferon regulatory factor-1 Interferon regulatory factor 1, IRF 1, IRF-1, MAR1.

PRODUCT SPECIFICATION

Molecular Weight
15 kDa (134aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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-alpha, IFN-beta, and IFN-gamma stimulated genes. IRF1 is also a tumor

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suppressor transcription factor inducing apoptosis of tumorigenic cell lines. Recombinant human IRF1 was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

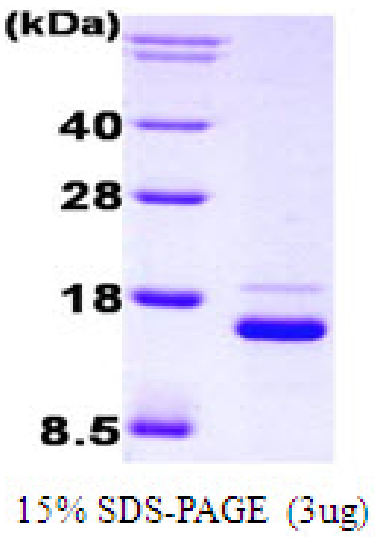
MGSSHHHHHH SSGLVPRGSH MPITRMRMRP WLEMQINSNQ IPGLIWINKE EMIFQIPWKH AAKHGWDINK DACLFRSWAI HTGRYKAGEK EPDPKTWKAN FRCAMNSLPD IEEVKDQSRN KGSSAVRVYR MLPP

General References

Hochhaus A., et al. (1997) Leukemia. 11(7):933-9.
Liu J., et al. (2005) J Biol Chem. 280(26):24347-55

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.