

Recombinant human IRF3 protein

Catalog Number: IRF0701

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-112aa

UniProt No.

Q14653

NCBI Accession No.

NP_001562.1

Alternative Names

IRF3, Interferon regulatory factor-3, IRF-3, Interferon regulatory factor 3, IRF 3.

PRODUCT SPECIFICATION

Molecular Weight

13 kDa (112aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-buffered saline (pH 7.4)

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Tag

Non-Tagged

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

Members of the Interferon regulatory factor (IRF) family regulate gene expression critical to immune response, hemopoiesis, and proliferation. IRF-3 is a member of the IRF family, and is distinct from other family members. Its transcriptional activity is regulated solely by posttranslational modifications. It plays a crucial role in activation of innate immunity and inflammation in response to viral infection. Recombinant human IRF3 was

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expressed in *E. coli* and purified by using conventional chromatography techniques

Amino acid Sequence

MGTPKPRILP WLVSQDLGQ LEGVAWVNKS RTRFRIPWKH GLRQDAQQED FGIFQAWAEA TGAYVPGRDK PDLPTWKRNF
RSALNRKEGL RLAEDRSKDP HDPHKIYEFV NS

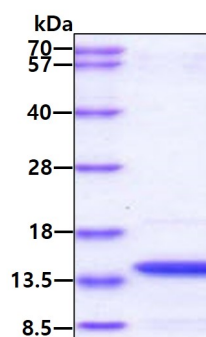
General References

Pietila TE et al., *J Immunol.* (2007) 178(1):253-61

DeFilippis VR et al., *J Virol.*, (2006) 80(2):1032-7

DATA

SDS-PAGE



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