

Catalog #	1235
Synonyms	Interferon regulatory factor 3
Type	Recombinant
Source	E. coli
Species	Human
Tag	GST
Form	Liquid
Purity	>80% by SDS PAGE
Shipping	Ice pack

## Introduction

IRF-3 is a member of the interferon regulatory transcription factor (IRF) family.

## Description

IRF-3 was originally discovered as a homolog of IRF-1 and IRF-2. It has been further characterized and shown to contain several functional domains including a nuclear export signal, a DNA-binding domain, a C-terminal IRF association domain and several regulatory phosphorylation sites. IRF-3 is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CBP known also as CREB binding protein. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. IRF-3 plays an important role in the innate immune system's response to viral infection.

## Application

Western blot, ELISA, Gel-shift assay, Pull-down assay (upon removal of GSH), protein arrays

## Purification method

Affinity chromatography.

## Formulation

Buffered solution containing 10mM glutathione. 0.25mg/ml, degradation products may appear upon thawing.

## Specificity

Binds specific DNA elements.

## Storage

-80C

**Analyte specific reagent (ASR) manufactured under ISO 13485.**

**Country of origin: Czech Republic**