

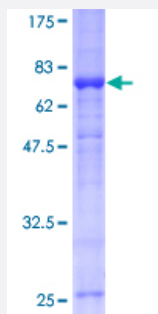
Full-Length

IRF1 (Human) Recombinant Protein (P01)

Catalog # H00003659-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IRF1 full-length ORF (NP_002189.1, 1 a.a. - 325 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPITRMRMRPWLEMQINSNQIPGLWINKEEMIFQIPWKHAAKHGWDINKDACLFERSWAIHTGRYKA
GEKEPDPKTWKANFRCAMNSLPDIEEVKDQSRNKGSSAVRVYRMLPPLTKNQRKERKSKSSRD
AKSKAKRKSCGDSSPDTFSDGLSSSTLPDDHSSYTVPGYMQDLEVEQALTPALSPCAVSSTLP
DWHIPVEVVPDSTSDLYNFQVSPMPSTSEATTDEDEEGKLPEDIMKLLEQSEWQPTNVDGKGYL
LNEPGVQPTSUYGDFSCKEEPEIDSPGGDIGLSLQRVFTDLKNMDATWLDSLLTPVRLPSIQAI
PCAP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

61.38

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IRF1

Entrez GeneID	3659
GeneBank Accession#	NM_002198.1
Protein Accession#	NP_002189.1
Gene Name	IRF1
Gene Alias	IRF-1, MAR
Gene Description	interferon regulatory factor 1
Omim ID	137215 147575 153550
Gene Ontology	Hyperlink
Gene Summary	IRF1 encodes interferon regulatory factor 1, a member of the interferon regulatory transcription factor (IRF) family. IRF1 serves as an activator of interferons alpha and beta transcription, and in mouse it has been shown to be required for double-stranded RNA induction of these genes. IRF1 also functions as a transcription activator of genes induced by interferons alpha, beta, and gamma. Further, IRF1 has been shown to play roles in regulating apoptosis and tumor-suppression. [provided by RefSeq]
Other Designations	interferon regulatory factor-1

Publication Reference

- [Anti-apoptotic effect by the suppression of IRF1 as a downstream of Wnt/ \$\beta\$ -catenin signaling in colorectal cancer cells.](#)

Ohsugi T, Yamaguchi K, Zhu C, Ikenoue T, Takane K, Shinozaki M, Tsurita G, Yano H, Furukawa Y.

Oncogene 2019 Aug; 38(32):6051.

Application: Func, PI, WB-Re, Recombinant protein

- [Histone deacetylase-1 is enriched at the platelet-derived growth factor-D promoter in response to interleukin-1 \$\beta\$ and forms a cytokine-inducible gene-silencing complex with NF-kappaB p65 and interferon regulatory factor-1.](#)

Liu MY, Khachigian LM.

The Journal of Biological Chemistry 2009 Oct; 284(50):35101.

Application: Func

Disease

- [Acute Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Behcet Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Crohn Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)

- [Graves Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Lung Neoplasms](#)
- [Malaria](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Thrombosis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)