

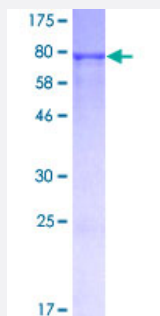
Full-Length

IRF3 (Human) Recombinant Protein (P01)

Catalog # H00003661-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human IRF3 full-length ORF (AAH09395, 1 a.a. - 452 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGTPKPRILPWLVSQDLGQLEGVAWVNKSRTFRIPWKHGLRQDAQQEDFGIFQAWAEATGAY
VPGRDKPDLPTWKRNFERSALSKEGLRLAEDRSKDPHDPHKIYEFVNSGVGDFSQPDTSPTDN
GGGSTSDTQEDILDELLGNMVLAPLPDPPSLAVAPEPCPQPLRSPSLDNPTFPNLGPSENP
LKRLLVPGEEWEFEVTA FYRGRQVFQQTISCPEGLRLVGSEVGDRTLPGWPVTLPDPGMSLTDR
GVMSYVRHVLSCLGGLALWRAGQWLWAQRLGHCHTYWAVSEELLPNSGHGPDGEVPKGKE
GGVFDLGPFI VGSWAPRSDYLHGRKRTLTL CPLVLCGGVMAPGPAVDQEARDGQGC AHPVQG
LGRNGPGRGCLLPGEYCGPAHFQQPPTLPHLRPVQGLPAGLGGGHGFPGPWGDLSPRSSWCA
SNPPVPHHLNQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

75.24

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 — IRF3

Entrez GeneID[3661](#)**GeneBank Accession#**[BC009395](#)**Protein Accession#**[AAH09395](#)**Gene Name**

IRF3

Gene Alias

-

Gene Description

interferon regulatory factor 3

Omim ID[603734](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

IRF3 encodes interferon regulatory factor 3, a member of the interferon regulatory transcription factor (IRF) family. IRF3 is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. [provided by RefSeq]

Other Designations

-

Publication Reference

- [The Golgi apparatus acts as a platform for TBK1 activation after viral RNA sensing.](#)

Pourcelot M, Zemirli N, Silva Da Costa L, Loyant R, Garcin D, Vitour D, Munitic I, Vazquez A, Arnoult D.

BMC Biology 2016 Aug; 14:69.

Application: WB-Tr, Human, HEK293T cells

- [Quantitation of the dynamic profiles of the innate immune response using multiplex selected reaction monitoring-mass spectrometry.](#)

Zhao Y, Tian B, Edeh CB, Brasier AR.

Molecular & Cellular Proteomics 2013 Jun; 12(6):1513.

Application: Mass spectrometry, Human, A549 cells

- [NEMO binds ubiquitinated TANK-binding kinase 1 \(TBK1\) to regulate innate immune responses to RNA viruses.](#)

Wang L, Li S, Dorf ME.

PLoS One 2012 Sep; 7(9):e43756.

Application: KA, Human, HEK 293 cells

- [Severe Acute Respiratory Syndrome Coronavirus M Protein Inhibits Type I Interferon Production by Impeding the Formation of TRAF3?PTANK?PTBK1/IKK{epsilon} Complex.](#)

Siu KL, Kok KH, Ng MH, Poon VK, Yuen KY, Zheng BJ, Jin DY.

The Journal of Biological Chemistry 2009 Jun; 284(24):16202.

Application: KA, WB-Tr, Human, HEK 293 cells

Pathway

- [Toll-like receptor signaling pathway](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)

- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Infant](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Neutropenia](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Thrombocytopenia](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Werner syndrome](#)