

Recombinant Full Length Human IRF4 Protein, GST-tagged

Cat. No. IRF4-5739HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IRF4 full-length ORF (AAH15752.1, 1 a.a. - 451 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	451 amino acids
Description	The protein encoded by this gene belongs to the IRF (interferon regulatory factor) family of transcription factors, characterized by an unique tryptophan pentad repeat DNA-binding domain. The IRFs are important in the regulation of interferons in response to infection by virus, and in the regulation of interferon-inducible genes. This family member is lymphocyte specific and negatively regulates Toll-like-receptor (TLR) signaling that is central to the activation of innate and adaptive immune systems. A chromosomal translocation involving this gene and the IgH locus, t(6;14)(p25;q32), may be a cause of multiple myeloma. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2010]
Molecular Mass	75.35 kDa
AA Sequence	MNLEGGGRGGEFGMSAVSCGNGKLRQWLIDQIDSGKYPGLVWENEEKSIFRIPWK HAGKQDYNREEDAALFKAWALFKGKFREGIDKPDPTWKTRLRCALNKSNDFEELV ERSQLDISDPYKVYRIVPEGAKKGAKQLTLEDPQMSMSHPYTMTPYPSLPAQQVH NYMMPPLDRSWRDYVPDQPHPEIPYQCPMTFGPRGHHWQGPACENGCVTGTGTF

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YACAPPESQAPGVPTSEPSIRSAEALAFSDCRLHICLYYREILVKELTTSSPEGCRISH
GHTYDASNLDQVLLPYPEDNGQRKNIEKLLSHLERGVVPWMAPDGLYAKRLCQSRI
YWDGPLALCNDPRPNKLERDQTCKLFDQTQQFLSELQAFHHGRSLPRFQVTLFCGEE
FPDPQRQRKLITAHVEPLLARQLYYFAQQNSGHFLRGYDLPEHISNPEDYHRSIRHS
SIQE

Applications

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

Notes

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

IRF4 interferon regulatory factor 4 [Homo sapiens]

Official Symbol

IRF4

Synonyms

IRF4; interferon regulatory factor 4; MUM1; LSIRF; multiple myeloma oncogene 1;
lymphocyte-specific interferon regulatory factor; NF-EM5;

Gene ID

3662

mRNA Refseq

NM_001195286

Protein Refseq

NP_001182215

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MIM	601900
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UniProt ID	Q15306
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