

Recombinant Human IRF4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IRF4-3565H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IRF4 MS Standard C13 and N15-labeled recombinant protein (NP_002451) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the IRF (interferon regulatory factor) family of transcription factors, characterized by a 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.
Molecular Mass	51.8 kDa
AA Sequence	MNLEGGGRGGEGFGMSAVSCGNGKLRQWLIDQIDSGKYPGLVWENEEKSIFRIPWK HAGKQDYNREEDAALFKAWALFKGKFREGIDKPDPTWKTRLRCALNKSNDFEELV ERSQLDISDPYKVVYRIVPEGAKKGAKQLTLEDPQMSMSHPYTMTPYPSLPAQQVH NYMMPPLDRSWRDYVPDQPHPEIPYQCPMTFGPRGHHWQGPACENGCVTGTG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

YACAPPESQAPGVPTSEPSIRSAEALAFSDCRLHICLYYREILVKELTTSSPEGCRISH
 GHTYDASNLDQVLFPYPEDNGQRKNIEKLLSHLERGVVLWMAPDGLYAKRLCQSRI
 YWDGPLALCNDPRPNKLERDQTCKLFDQTQQFLSELQAFHHGRSLPRFQVTLFCGEE
 FPDPQRQRKLITAHVEPLLARQLYYFAQQNSGHFLRGYDLPEHISNPEDYHRSIRHS
 SIQETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IRF4 interferon regulatory factor 4 [Homo sapiens (human)]

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_002460

Protein Refseq NP_002451

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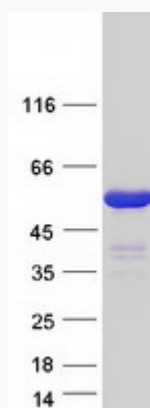
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MIM 601900

UniProt ID Q15306

SDS-PAGE



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