

Recombinant Human IRF4 Protein, T7&His tagged

Cat. No. IRF4-105H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IRF4 protein with T7&His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>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.</p>
Molecular Mass	50 kDa
AASequence	<p>MASMTGGQQMGRGHHHHHHENLYFQGGEFNLEGGGRGGEGFGMSAVSCGNGKL RQWLIDQIDSGKYPGLVWENEKSIFRIPWKHAGKQDYNREEDAALFKAWALFKGK FREGIDKDPPTWKTRLRCALNKSNDFEELVERSQLDISDPYKVYRIVPEGAKKGAK QLTLEDPQMSMSHPYTMTPYPSLPAQQVHNYMMPPLDRSWRDYVPDQPHPEIPY QCPMTFGPRGHHWQGPACENGCVTGTFTYACAPPESQAPGVPTPEPSIRSAEALAF SDCRLHICLYYREILVKELTTSSPEGCRISHGHTYDASNLDQVLPYPEDNGQRKNIE</p>

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KLLSHLERGVVLWMAPDGLYAKRLCQSRIYWDGPLALCNDPRPNKLERDQTCKLFDT
 QQFLSELQAFHHGRSLPRFQVTLFCGEEFPDPQRQRKLITAHVEPLLARQLYYFAQ
 QNSGHFLRGYDLPEHISNPEDYHRSIRHSSIQE

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1.2 mg/mL by Bradford

Storage Buffer Sterile 50mM Tris, 200mM NaCl, pH8.0

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_001195286](#)

Protein Refseq [NP_001182215](#)

MIM [601900](#)

UniProt ID [Q15306](#)

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