

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	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.
Molecular Mass	50 kDa
AASequence	MASMTGGQQMGRGHHHHHHENLYFQGGEFNLEGGGRGGEGFGMSAVSCGNGKL RQWLIDQIDSGKYPGLVWENEEKSIFRIPWKHAGKQDYNREEDAALFKAWALFKGK FREGIDKPDPTWKTRLRCALNKSNDFEELVERSQLDISDPYKVYRIVPEGAKKGAK QLTLEDPQMSMSHPYTMTPYPSLPAQQVHNYMMPPLDRSWRDYVPDQPHPEIPY QCPMTFGPRGHHWQGPACENGCVTGTFTYACAPPESQAPGVPTPEPSIRSAEALAF SDCRLHICLYYREILVKELTTSSPEGCRISHGHTYDASNLDQVLPYPEDNGQRKNIE

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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

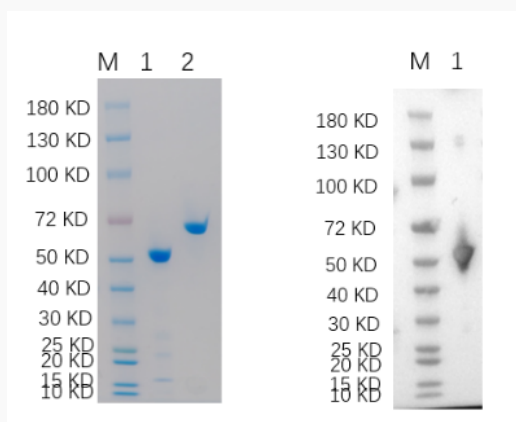
UniProt ID Q15306

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SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified IRF4. 1. IRF4: 1 µg 2. BSA: 1 µg

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