

Recombinant Full Length Human IRF4 Protein, C-Flag-tagged

Cat. No. IRF4-404HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IRF4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51.6 kDa
AA Sequence	MNLEGGGRGGEGFGMSAVSCGNGKLRQWLIDQIDSGKYPGLVWENEEKSIFRIPWK HAGKQDYNREEDAAL FKAWALFKGKFREGIDKPDPTWKTRLRCALNKSNDFEEL VERSQLDISDPYKVYRIVPEGAKKGAKQLT LEDPQMSMSHPYTMTPYPYSLPAQQV HNYMMPPLDRSWRDYVPDQPHPEIPYQCPMTFGPRGHHWQGPAC ENGCVTGT

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FYACAPPESQAPGVPTPEPSIRSAEALAFSDCRLHICLYYREILVKELTTSSPEGCRISH
 GH TYDASNLDQVLFYPEDNGQRKNIEKLLSHLERGVVLWMAPDGLYAKRLCQSRI
 YWDGPLALCNDPRPNKL ERDQTCKLFDQTQQFLSELQAFHHGRSLPRFQVTLFCGE
 EFPDPQRQRKLITAHVEPLLARQLYYFAQQN
 SGHFLRGYDLPEHISNPEDYHRSIRHSSIQETRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

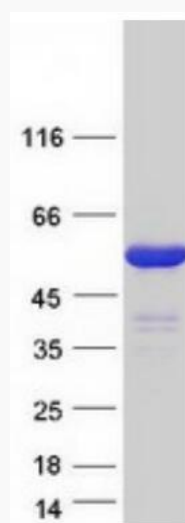
Gene Name	IRF4 interferon regulatory factor 4 [Homo sapiens (human)]
Official Symbol	IRF4
Synonyms	MUM1; LSIRF; SHEP8; NF-EM5

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Gene ID	3662
mRNA Refseq	NM_002460.4
Protein Refseq	NP_002451.2
MIM	601900
UniProt ID	Q15306



Coomassie blue staining of purified IRF4 protein.