

## Product datasheet for PH316039

### IRF5 (NM\_001098631) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IRF5 MS Standard C13 and N15-labeled recombinant protein (NP_001092101)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216039
Predicted MW:	54.8 kDa
Protein Sequence:	>RC216039 representing NM_001098631 Red=Cloning site Green=Tags(s)

MNQSIPVAPTPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHGSPSQDGDNTIFKAWAKE  
TGKYTEGVDEADPAKWKANLRCALNKSDFRLIYDGPRDMPQPQYKIYEVCSNGPAPTDSQPPEDYSFGA  
GEEEEEEELQRMLPSLSLTEDVKWPPTLQPPTLQPPVVLGPPAPDPSPLAPPPGNPAGFRELLSEVLEP  
GPLPASLPPAGEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPHGCRLFYSQLEATQEVELFG  
PISLEQVRFPSPEDIPSDKQRFYTNQLLDVLDLDRGLILQLQGQDLYAIRLCQCKVFWSGPCASAHDSCNP  
IQREVKTKLFSLEHFLNELILFQKQGTNTPPPFEIFFCFGEEWPDRKPREKKLITVQVVPVAARLLLEMF  
SGELSWSADSIRLQISNPDLKDRMVEQFKELHHIWQSQRLQPVAQAPPAGLGVGQGPWPMHPAGMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_001092101</a></u>
RefSeq Size:	2741
RefSeq ORF:	1464
Synonyms:	interferon regulatory factor 5; SLEB10



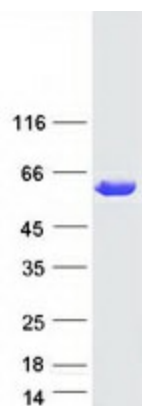
[View online »](#)

Locus ID: 3663  
UniProt ID: [Q13568](#)  
Cytogenetics: 7q32.1

**Summary:** This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, apoptosis, and immune system activity. Members of the IRF family are characterized by a conserved N-terminal DNA-binding domain containing tryptophan (W) repeats. Alternative promoter use and alternative splicing result in multiple transcript variants, and a 30-nt indel polymorphism (SNP rs60344245) can result in loss of a 10-aa segment. [provided by RefSeq, Dec 2016]

**Protein Families:** Transcription Factors  
**Protein Pathways:** Toll-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified IRF5 protein (Cat# [TP316039]). The protein was produced from HEK293T cells transfected with IRF5 cDNA clone (Cat# [RC216039]) using MegaTran 2.0 (Cat# [TT210002]).