

Product datasheet for PH309951

IRF3 (NM_001571) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IRF3 MS Standard C13 and N15-labeled recombinant protein (NP_001562)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209951
Predicted MW:	47.2 kDa
Protein Sequence:	>RC209951 protein sequence Red=Cloning site Green=Tags(s) <p>MGTPKPRILPWLVSQDLGQLEGVAWVNKSRTRFRIPWKHGLRQDAQQEDFGIFQAWAEATGAYVPRDK PDLPTWKRNFSAALNRKEGLRLAEDRSKDPHPHKIYEFVNSGVGDFSQPDTSPDTNGGGSTSDTQEDIL DELLGNMVLAPLPDPGPPSLAVAPEPCPQLRSPSLDNPTFPNLGPSENPLKRLLVPGEEWEFEVTAFY RGRQVFQQTISCEPEGLRLVGSEVGDRTLPGWPVTLDPGMSLTDGVMYSYVRHVL SCLGGGLALWRAGQW LWAQRLGHCHTYWAVSEELLPNSGHGPDGEVPKDKEGGVFDLGPFIVDLITFTEGSGRSPRYALWFCVGE SWPQDQPWTKRLVMVKVPTCLRALVEMARVGGASSLENTVDLHISNSHPLSLTSDQYKAYLQDLVEGMD FQGPGES</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_001562</u>
RefSeq Size:	1626
RefSeq ORF:	1281
Synonyms:	IIAE7



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Locus ID: 3661

UniProt ID: [Q14653](#)

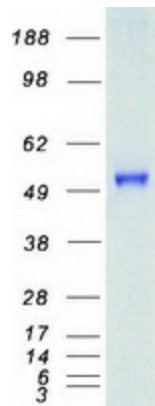
Cytogenetics: 19q13.33

Summary: This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. The protein plays an important role in the innate immune response against DNA and RNA viruses. Mutations in this gene are associated with Encephalopathy, acute, infection-induced, herpes-specific, 7. [provided by RefSeq, Sep 2020]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

Product images:



Coomassie blue staining of purified IRF3 protein (Cat# [TP309951]). The protein was produced from HEK293T cells transfected with IRF3 cDNA clone (Cat# [RC209951]) using MegaTran 2.0 (Cat# [TT210002]).