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Product datasheet for PH300458

IRF5 (NM_032643) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IRF5 MS Standard C13 and N15-labeled recombinant protein (NP_116032)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200458
Predicted MW:	56 kDa
Protein Sequence:	>RC200458 protein sequence Red=Cloning site Green=Tags(s) MNQSIPVAPTPPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHGPSQDGDNTIFKAWAKE TGKYTEGVDEADPAKWKANLRCALNKSRDFRLIYDGPRDMPPQPYKIYEVCSNGPAPTDSQPPEDYSFGA GEEEEEEEELQRMLPSLSLTEDVKWPPTLQPPTLRPPTLQPPTLQPPVVLGPPAPDPSPLAPPPGNPAGF RELLSEVLEPGPLPASLPPAGEQLLPDLLISPHMLPLTDLEIKFQYRGRPPRALTISNPHGCRLFYSQLE ATQEQVELFGPISLEQVRFPSPEDIPSDKQRFYTNQLLDVLDRGLILQLQGQDLYAIRLCQCKVFWSGPC ASAHDSCPNPIQREVKTKLFSLEHFLNELILFQKGQTNTPPPFEIFFCFGEEWPDRKPREKKLITVQVVP VAARLLLEMFSGELSWSADSIRLQISNPDLKDRMVEQFKELHHIWQSQQRLQPVAQAPPGAGLGVGQGPW PMHPAGMQ 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_116032
RefSeq Size:	2778
RefSeq ORF:	1494

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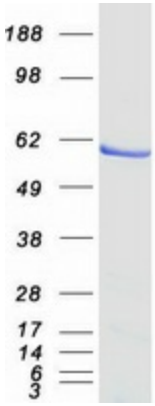
Synonyms:	SLEB10
Locus ID:	3663
UniProt ID:	Q13568
Cytogenetics:	7q32.1
Summary:	This gene encodes a member of the interferon regulatory factor (IRF) family, a group of transcription factors with diverse roles, including virus-mediated activation of interferon, and modulation of cell growth, differentiation, 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# [TP300458]). The protein was produced from HEK293T cells transfected with IRF5 cDNA clone (Cat# [RC200458]) using MegaTran 2.0 (Cat# [TT210002]).