

Product datasheet for PH307768

Interferon regulatory factor 9 (IRF9) (NM_006084) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IRF9 MS Standard C13 and N15-labeled recombinant protein (NP_006075)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207768
Predicted MW:	43.7 kDa
Protein Sequence:	>RC207768 protein sequence Red=Cloning site Green=Tags(s) MASGRARCTRKLNRNVVEQVESGQFPGVCWDDTAKTMFRIPWKHAGKQDFREDQDAAFFKAWAIFKGYK EGDTGGPAVWKTRLRNALNKSSFEKVPGRMDVAEPYKVYQLLPPGIVSGQPGTQKVPKSRQHSSVSS ERKEEEDAMQNTLSPSVLQDSLNNEEEGASGGAVHSDIGSSSSSSSPEPQEVTDTEAPFQGDQRSLEF LLPPEPDYSLLLTFIYNGRVVGEAQVQSLDCRLVAEPSGSESSMEQVLPKPGPLEPTQRLLSQLERGIL VASNPRGLFVQRLCPIPIISWNPQAPPGPGPHLLPSNECVELFRTAYFCRDLVRYFQGLGPPPKFQVTLN FWEEESHGSSHTPQNLITVKMEQAFARYLLEQTPEQQAAILSLV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_006075</u>
RefSeq Size:	1699
RefSeq ORF:	1179
Synonyms:	IRF-9; ISGF3; ISGF3G; p48
Locus ID:	10379



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UniProt ID: [Q00978](#)

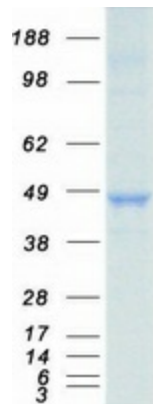
Cytogenetics: 14q12

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. Mutations in this gene result in Immunodeficiency 65. [provided by RefSeq, Jul 2020]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified IRF9 protein (Cat# [TP307768]). The protein was produced from HEK293T cells transfected with IRF9 cDNA clone (Cat# [RC207768]) using MegaTran 2.0 (Cat# [TT210002]).