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Product datasheet for TP506259

Isgf3g (BC005435) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interferon dependent positive acting transcription factor 3 gamma (cDNA clone MGC:5974 IMAGE:3601255), complete, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206259 representing BC005435 Red=Cloning site Green=Tags(s) MASGKVRCTRKLRSWIVEQVESGHFPGVCWDDAAKTMFRIPWKHAGKQDFREDQDAAIFKAWALFKEKHK DGDIGHPAVWKTRLRCALNKSSEFEEVPERGRMDVAEPYKVYRILPAGTLPNQPRNQKSPCKRSISCVSP EREENMENGRTNGVVNHSDSGSNIGGGGNGSNRSDSNSNCNSELEEGAGTTEATIREDPVFLEHQLPLNS DYSLLLTFIYGGRVVGKTQVHSLDCRLVAERSDSESSMEQVEFPKPDPLEPTQHLLNQLDRGVLVASNSR GLFVQRLCPIPISWNAPEAPPGPGPHLLPSNKCVELFKTTYFCRDLAQYFQGQGPPPKFQATLHFWEESP GSSHSQENLITVQMEQAFARHLLEKIPEEEKAALFLLQHTEQSPSALGH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	85.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	16391
UniProt ID:	Q61179

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RefSeq Size:	2341
Cytogenetics:	14 28.19 cM
RefSeq ORF:	1197
Synonyms:	p48, Irf-9
Summary:	Transcription factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. IRF9/ISGF3G associates with the phosphorylated STAT1:STAT2 dimer to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.[UniProtKB/Swiss-Prot Function]