

Product datasheet for TP523920

Ifi35 (NM_027320) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interferon-induced protein 35 (Ifi35), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223920 protein sequence Red =Cloning site Green =Tags(s)

MSVTLQTVLYSLQEEQARLKMRLQELQQLKRERTGSPGAKIPFSVPEVPLVFQGGQTKQGRQVPKFWVSNL
KVCCPLPEGSALVTFEDPKVVDRLQKEHRVNLEDCWLRVQVQPLELPVVTNIQVSSQPDNHRVLVSGF
PAGLRLSEEELDKLEIFFGKAKNGGGDVETREMLQGTVM LGFADEEVAQHLCQIGQFRVPLDRQQVLLR
VSPYVSGEIQKAEIKFQQAPHSVLVTNIPDVMDAQLHDILEIHFQKPTRGGGEVEALTVPSGQQGLAI
FTSESS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	31.9 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.
RefSeq:	NP_081596
Locus ID:	70110
UniProt ID:	Q9D8C4

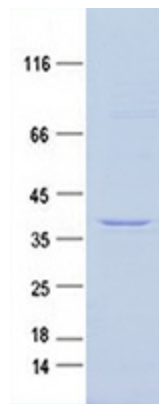


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RefSeq Size:	1360
Cytogenetics:	11 D
RefSeq ORF:	861
Synonyms:	2010008K16Rik; AW986054; ifi-35; IFP35

Summary: Acts as a signaling pathway regulator involved in innate immune system response (PubMed:29350881). In response to interferon IFN-alpha, associates in a complex with transcriptional regulator NMI to regulate immune response; the complex formation prevents proteasome-mediated degradation of IFI35 and correlates with IFI35 dephosphorylation (By similarity). In complex with NMI, inhibits virus-triggered type I interferon/IFN-beta production (By similarity). In complex with NMI, negatively regulates nuclear factor NF-kappa-B signaling by inhibiting the nuclear translocation, activation and transcription of the NF-kappa-B subunit p65/RELA, resulting in the inhibition of endothelial cell proliferation, migration and re-endothelialization of injured arteries (PubMed:29350881). Beside its role as an intracellular signaling pathway regulator, also functions extracellularly as damage-associated molecular patterns (DAMPs) to promote inflammation when actively released by macrophage to the extracellular space during cell injury and pathogen invasion (By similarity). Macrophage-secreted IFI35 activates NF-kappa-B signaling in adjacent macrophages through Toll-like receptor 4/TLR4 activation, thereby inducing NF-kappa-B translocation from the cytoplasm into the nucleus which promotes the release of proinflammatory cytokines (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Ifi35 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.