

Product datasheet for **TP723167**

IfnI2 (NM_001024673) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 28A (Il28a).
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MDPVPRATRL PVEAKDCHIA QFKSLSPKEL QAFKKAKDAI EKRLLEKDMR CSSHLISRAW DLKQLQVQER PKALQAEVAL TLKVWENMTD SALATILGQP LHTLSHIHSQ LQTCTQLQAT AEPKPPSRRL SRWLHRLQEA QSKETPGCLE DSVTSNLFRL LTRDLKCVAS GDQCV
Tag:	Tag Free
Predicted MW:	19.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to activate STAT following receptor-ligand interaction.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001019844
Locus ID:	330496
UniProt ID:	Q4VK74
RefSeq Size:	582
Cytogenetics:	7
RefSeq ORF:	579
Synonyms:	EG330496; IL-28A; Il28a



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Summary:

Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)-induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.[UniProtKB/Swiss-Prot Function]

Product images: