

RPCB1244

Product Information

Product SKU:	RPCB1244	Gene ID:	15977	Size:	10µg
Tag:	No-tag	Reactivity:	Mouse		

Additional Information

Expression Host:	-	Swissprot:	P01575
Purity:	-		

Protein Information

Background: Interferon beta (IFN-beta), also known as fibroblast IFN, is a secreted, approximately 22 kDa member of the type I interferon family of molecules. Mature mouse IFN-beta shares 75% and 47% amino acid sequence identity with the rat and human proteins, respectively. Fibroblasts are the major producers of IFN-beta, but it can also be produced by dendritic cells, macrophages, and endothelial cells in response to pathogens. It is transcriptionally regulated by TRAF3, IRF3, IRF7, and NF-kappa B. IFN-beta-deficient mice show increased susceptibility to experimental autoimmune encephalomyelitis (EAE), a disease model of human multiple sclerosis (MS). Furthermore, IFN-beta has been shown to suppress the Th17 cell response in both MS and EAE and has commonly been used as a treatment for MS. IFN-beta can additionally induce the expression of the anti-inflammatory cytokine IL-10.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Mouse IFN-beta Protein, tested reactivity in Pichia and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: <0.1EU/µg of the protein by LAL method.

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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