Product datasheet for TP723736

Il21 (NM_021782) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 21 (Il21)
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Mouse Il21, the region of Pro25-Ser146, from gene accession# NM_021782.3
Tag:	Tag Free
Predicted MW:	14.2 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 15 - 60 ng/ml, corresponding to a specific activity of 1.7 - 6.7 x 10^4 units/mg.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_068554
Locus ID:	60505
UniProt ID:	Q9ES17, Q5SUE2
RefSeq Size:	3090
Cytogenetics:	3 B
RefSeq ORF:	438
Synonyms:	IL-21

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Summary: Cytokine with immunoregulatory activity. May promote the transition between innate and adaptive immunity. Induces the production of IgG(1) and IgG(3) in B-cells. May play a role in proliferation and maturation of natural killer (NK) cells in synergy with IL15. May regulate proliferation of mature B- and T-cells in response to activating stimuli. In synergy with IL15 and IL18 stimulates interferon gamma production in T-cells and NK cells (By similarity). During T-cell mediated immune response may inhibit dendritic cells (DC) activation and maturation.[UniProtKB/Swiss-Prot Function]