

Product datasheet for **TP526593**

II21 (NM_021782) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 21 (II21), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by MR226593 Blue =ORF Red =Cloning site Green =Tag(s) MERTLVCLWIFLGTVAHKSSPQGPDRLLIRLRHLIDIVEQLKIYENDLDPPELLSAPQDVKGHCHEAAF ACFQKAKLKPSNPGNNKTFIIDLVAQLRRRLPARRGGKKQKHIACPCSDSYEKRTPKFELERLKWLLQ KMIHQHLS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	Recombinant protein using MR226593 also available, TP526593 C-MYC/DDK
Predicted MW:	16.8 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.
RefSeq:	NP_068554
Locus ID:	60505
UniProt ID:	Q9ES17 , Q5SUE2
RefSeq Size:	3090



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Cytogenetics: 3 B

RefSeq ORF: 438

Synonyms: IL-21

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]