

Interleukin-21 Rat Recombinant

Item Number	rAP-0483
Synonyms	Interleukin-21, IL-21, II21.
Description	Interleukin-21 Rat Recombinant produced in E.Coli is a single, non-glycosilated polypeptide chain containing 129 amino acids and having a total molecular mass of 15.2kDa. The Rat IL-21 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	A3QPB9
Amino Acid Sequence	HKSSPQRPDH LLIRLRHLMD IVEQLKIYEN DLDPELLTAP QDVKGQCEHE AFACFQKAKL KPSNTGNNKT FINDLLAQLR RRLPAKRTGN KQRHMAKCPs CDLYEKKTPK EFLERLKWL QKMIHQHLS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Rat IL-21 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rat IL21 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	Rat IL-21 was lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Rat IL21 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity is measured by its ability to proliferate activated B cells.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**