

## Interleukin-21 Rat Recombinant

<b>Item Number</b>	rAP-0483
<b>Synonyms</b>	Interleukin-21, IL-21, IL21.
<b>Description</b>	Interleukin-21&nbsp;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&nbsp;Rat IL-21 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	A3QPB9
<b>Amino Acid Sequence</b>	HKSSPQRPDH LLIRLRHLM D IVEQLKIYEN DLDPELLTAP QDVKGGCEHE AFACFQKAKL KPSNTGNNKT FINDLLAQLR RRLPAKRTGN QQRHMAKCPS CDLYEKKTPK EFLERLKWLL QKMIHQHLS.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized&nbsp;Rat IL-21 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution&nbsp;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.
<b>Formulation and Purity</b>	Rat&nbsp;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.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized&nbsp;Rat IL21 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The biological activity is measured by its ability to proliferate activated B cells.
<b>Shipping Format and Condition</b>	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**