



Interleukin-7 Human Recombinant, HEK

Item Number	rAP-0536
Synonyms	Lymphopoietin 1 (LP-1), pre-B cell factor, IL-7.
Description	IL-7 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 19-30kDa due to glycosylation. The IL-7 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P13232
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL7 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	The IL7 was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-7 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The activity was determined by the dose dependent stimulation of the proliferation of murine 2E8 cells and is typically 0.3ng/ml corresponding to a specific activity of 3,333,334 units/mg.
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**