



Interleukin-9 Human Recombinant, HEK

Item Number	rAP-0494
Synonyms	P40, HP40, T-cell growth factor p40, IL-9, P40 cytokine.
Description	IL-9 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 38-48kDa due to glycosylation. The IL9 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P15248
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-9 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL9 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 IL9 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-9 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of human MO7e cells (human megakaryoblastic leukemia cell line) and is typically 0.03-0.2ng/ml.
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**