

Leukemia Inhibitory Factor Human Recombinant, HEK

Item Number	rAP-0710
Synonyms	CDF, HILDA, D-FACTOR, Differentiation- stimulating factor, Melanoma-derived LPL inhibitor, MLPLI, Emfil-ermin, Leukemia inhibitory factor, LIF, DIA.
Description	Leukemia Inhibitory Factor Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight of 19.9kDa due to glycosylation. The LIF is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P15018
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized LIF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LIF 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 LIF protein was lyophilized from 1mg/ml in PBS pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized LIF in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The biological activity was determined by its ability to stimulate the proliferation of Human TF-1 cells, the ED50 is typically less than 0.1ng/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**