

Interleukin-1 beta Human Recombinant, HEK

Item Number	rAP-0489
Synonyms	Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta.
Description	Interleukin-1 beta Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 18-25kDa due to glycosylation. The IL-1 beta is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01584
Amino Acid Sequence	APVRSLNCTLRDSQQKSLVMSGPYELKALHLGGQDMEQQVVFMSFSVQGEESND-KIPVALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFEFESAQFPNWIYSTSQAENMPVFLGGTKGGQDITDFTMQFVSS.
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-1 beta although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-1 beta 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 IL-1 beta 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-1b in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of mouse D10S cells and is typically 0.02-0.08ng/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 end user! This product is sold for **Research Use Only**