

32-1367: IL 1 beta HEK Recombinant Protein

Alternative Name : Catabolin, Lymphocyte-activating factor (LAF), Endogenous Pyrogen (EP), Leukocyte Endogenous Mediator (LEM), Mononuclear Cell Factor (MCF), IL1F2, IL-1 beta.

Description

Source : HEK. 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. Interleukin-1b is produced by activated macrophages, IL-1B stimulates thymocyte proliferation by inducing il-2 release, b-cell maturation and proliferation, and fibroblast growth factor activity. IL1B proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as observed by SDS-PAGE.
Content :	The IL-1 beta was lyophilized from 1mg/ml in 1xPBS.
Storage condition :	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.
Amino Acid :	APVRS LNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFVQGEESNDKIPVALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFEESAQFPNWIYSTSAENMPVFLGGTKGGQDITDFTMQFVSS.

Application Note

It is recommended to reconstitute the lyophilized IL-1b in sterile PBS containing 0.1% endotoxin-free recombinant HSA. 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.

