

Recombinant Human Interleukin-1 b (rHu IL-1b)

Catalog No: #701012

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Description

Product Name	Recombinant Human Interleukin-1 b (rHu IL-1b)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Species Reactivity	Hu
Target Name	rHu IL-1b
Other Names	Catabolin, Leukocyte Endogenous Mediator, LEM, Lymphocyte-activating factor, LAF, Mononuclear Cell Factor, MCF, Endogenous Pyrogen, EP
Accession No.	accession:P01584 GeneID:3553
Uniprot	P01584
GeneID	3553;
Calculated MW	Approximately 17.3 kDa, a sing
SDS-PAGE MW	Sterile Filtered White lyophil
Target Sequence	APVRSLNCTL RDSQQKSLVM SGPYELKALH LQGQDMEQQV VFSMSFVQGE ESNDKIPVAL GLKEKNLYLS CVLKDDKPTL QLESVDPKNY PKKKMEKRFV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTKGG QDITDFTMQF VSS
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze thaw cycles.

Background

Interleukin-1 beta (IL-1β) is a non-secreted proinflammatory cytokine produced mainly by activated macrophages, as well as neutrophils, epithelial cells, and endothelial cells. It possesses metabolic, physiological, haematopoietic activities, and plays one of the central roles in the regulation of the immune responses. Both IL-1α and IL-1β binds to the same receptor and has similar but not identical biological properties; The mature human IL1β shares 96 % amino acid sequence identity with rhesus and 67 % -78 % with canine, mouse and rat IL-1β.

References

1. Bankers-Fulbright, J.L., K.R. Kalli, and D.J. McKean. 1996. Life Sci, 59: 61-83.
2. Dinarello, C.A. 1997. Semin Oncol, 24: S9-81-S9-93.
3. Martinon, F., and J. Tschopp. 2007. Cell Death Differ, 14: 10-22.
4. Auron, P.E., A.C. Webb, L.J. Rosenwasser, et al. 1984. Proc Natl Acad Sci U S A, 81: 7907-11.

Note: This product is for in vitro research use only