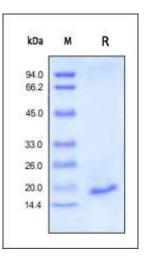
BioVision

Human CellExp[™] IL-1 beta / IL-1F2, Human recombinant

CATALOG NO:	P1019-10 P1019-25	10 µg 25 µg
ALTERNATE NAMES:	IL1B, IL-1BETA, IL1F2, IL-1β, Catabolin	
SOURCE:	HEK 293 cells (Ala 117 - Ser 269)	
PURITY:	> 97% by SDS – PAGE	
MOL. WEIGHT:	Human IL-1 beta, contains no "tag", and has a calculated MW of 17.5 kDa. The predicted N-terminus is Met. The reducing protein migrates as 18 kDa in SDS-PAGE.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	7.4 to a concentrat	prior to opening. Reconstitute in sterile PBS, pH tion of 50 μ g/ml. Do not vortex. This solution can C for up to 1 month. For extended storage, it is tore at -20°C.
DESCRIPTION:	protein that in hip precursor is cleave Cytosolic thiol pro- beta. $IL1\beta$ are approximately 21 th proteins are produ- inflammatory ager $IL1\alpha$ and $IL1\beta$ are receptor and exert the interleukin 1 activated macroph processed to its cytokine is an imp and is involved in proliferation, diffe cyclooxygenase-2 nervous system (C	(IL-1 β) is also known as catabolin, is a cytokine umans is encoded by the IL1B gene. IL-1 β ed by caspase 1 (interleukin 1 beta convertase). tease cleaves the product to form mature IL-1 structurally related polypeptides that share % amino acid (aa) identity in human. Both used by a wide variety of cells in response to nts, infections, or microbial endotoxins. While regulated independently, they bind to the same identical biological effects. IL-1 β is a member of cytokine family. This cytokine is produced by aages as a proprotein, which is proteolytically active form by caspase 1 (CASP1/ICE). This portant mediator of the inflammatory response, n a variety of cellular activities, including cell rentiation, and apoptosis. The induction of (PTGS2/COX2) by this cytokine in the central CNS) is found to contribute to inflammatory pain this gene and eight other interleukin 1 family



Human IL-1 beta, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 97%

BIOACTIVITY: The bio-activity was determined by dose-dependent stimulation of the proliferation of mouse D10.G4.1 cells. The ED50 < 2 pg/mL, corresponding to a specific activity of >500,000,000 Unit/mg.

RELATED PRODUCT:

- IL-1β (human) ELISA Kit (Cat. No. K4794-100)
- IL-1β (mouse) ELISA Kit (Cat. No. K4795-100)
- IL-1β (rat) ELISA Kit (Cat. No. K4796-100)
- IL-1 Beta Antibody (Cat. No. 5128G-100)
- IL-1 beta Antibody (Cat. No. 5128-100)
- IL-1 beta Antibody (Cat. No. 6483-10)
- IL-1 beta, rat recombinant (Cat. No. 4130-50)

FOR RESEARCH USE ONLY! Not to be used on humans.

