

## Product Data Sheet

### IL-1 $\beta$ , 117-269aa

Human, Recombinant, *E.coli*

Cat. No.ILB0751  
Cat. No.ILB0701

Size : 100  $\mu$ g  
Size : 0.5 mg

**Synonyms:** Interleukin 1 $\beta$ , IL-1, IL1F2, IL1-beta

**NCBI Accession:** NP\_000567

**Description:** Interleukin-1 (IL-1) has been considered a potentially important inflammatory mediator. It is composed of two distinct proteins, called as IL-1 $\alpha$  and IL-1 $\beta$ . IL-1 $\beta$  is a proinflammatory cytokine produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1 $\alpha$  and IL-1 $\beta$  bind to the same receptor and they are structurally related polypeptides that share approximately 20% amino acid. Recombinant human IL-1 $\beta$  was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid in PBS pH7.4

**Molecular Weight:** 17 kDa (154 aa)

**Purity:**  $\geq$  95% by SDS PAGE

**Concentration :** 1mg/ml

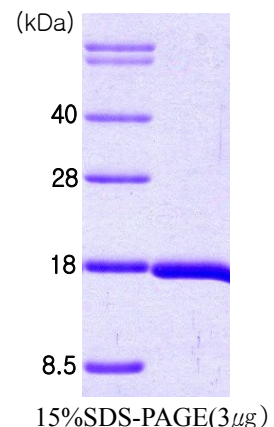
**Sequences:** MAPVRSLNCT LRDSQQKSLV MSGPYELKAL HLQGDMEQQ VVFSMSFVQG EESNDKIPVA  
LGLKEKNLYL SCVLKDDKPT LQLESVDPKN YPKKKMEKRF VFNKIEINNK LEFESAQFPN  
WYISTSQAEN MPVFLGGTKG GQDITDFTMQ FVSS

#### General references:

Allan SM., *et al.* (2005), Nat. Rev. Immunol. 5:629.

Michaud DS., *et al.* (2006), Cancer Res. Apr 15;66(8):4525-30

**Storage:** Store at -20 $^{\circ}$ C. Avoid freeze/thaw cycle



**WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.**