

## 32-8285: Recombinant Human Interleukin-1 beta/IL-1 beta

**Gene :** IL1B  
**Gene ID :** 3553  
**Uniprot ID :** P01584

### Description

Source: E. coli.  
MW :17.5kD.

Recombinant Human Interleukin-1 beta is produced by our E.coli expression system and the target gene encoding Ala117-Ser269 is expressed. IL1B belongs to the IL-1 family. Interleukin 1 (IL-1) is a family of polypeptide cytokines consisting of two agonists, IL-1 alpha (IL-1F1) and IL-1 beta (IL-1F2) encoded by two distinct genes and perform identical biological functions. IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response. It is identified as endogenous pyrogens, and is reported to stimulate the release of prostaglandin and collagenase from synovial cells.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MAPVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFVQGGEESNDKIPVALGLKEKNLYLSC  
VLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFESEAQFPNWWYISTSAENMPVFLGGTKGGQDITDF  
TMQFVSS

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.