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### Certificate of Analysis and Data Sheet

## Recombinant Human Epstein-Barr Virus-induced Gene 3 (EBI3) / Interleukin-27B (IL-27B)

**Catalog No.**

228-10928

**Source:**

*Escherichia Coli*

### **Synonyms**

Interleukin-27 subunit beta, IL-27 subunit beta, IL-27B, Epstein-Barr virus-induced gene 3 protein, EBV-induced gene 3 protein, EBI3, IL27B.

### **Introduction**

EBI3 has an induced expression in B lymphocytes in reaction to Epstein-Barr virus infection. EBI3 encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form iIL-27. EBI3 drives rapid clonal expansion of naive cd4(+) t-cells. EBI3 strongly synergizes with IL-12 to activate IFN-gamma production of naive cd4(+) t-cells. EBI3 mediates its biologic effects through the cytokine receptor wsx-1/tccr.

### **Description**

EBI3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 209 amino acids fragment (21-229) having a molecular weight of 34kDa and fused with a 4.5kDa amino-terminal hexahistidine tag.

EBI3 is purified by proprietary chromatographic techniques.

### **Physical Appearance**

Sterile Filtered clear solution.

### **Formulation**

EBI3 protein is supplied in 1xPBS, 50% glycerol.

### **Stability**

Store at 4°C if entire vial will be used within 2-4 weeks.

Store frozen at -20°C for longer periods of time.

**Please prevent freeze-thaw cycles.**

### **Purity**

Greater than 95.0% as determined by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**