

## 32-1129: mEBI3 Recombinant Protein

**Alternative Name :** IL-27B,IL27B,IL 27-B,EBI-3,Interleukin-27 beta,IL-27 subunit beta,Epstein-Barr virus-induced gene 3 protein homolog,EBI3.

### Description

Source : Escherichia Coli. EBI3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids and having a molecular mass of 22.9kDa. The Murine EBI3 is purified by proprietary chromatographic techniques. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
**Content :** EBI3 was lyophilized from 10mM Sodium Citrate pH-3.  
**Storage condition :** Lyophilized EBI3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EBI3 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.  
**Amino Acid :** MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT QQQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSSLLAFV AERIIKPDPP EGVRLRTAGQ RLQVLWHPPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGPI EATTFTLRNS KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP.

### Application Note

It is recommended to reconstitute the lyophilized EBI3 in sterile 18M $\Omega$ cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

