

## 32-6332: EBI3 Macaque

**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.

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

EBI3 Macaque Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids and having a molecular mass of 23.4kDa. The EBI3 is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** Lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA). It is recommended to reconstitute the lyophilized EBI3 in sterile 18M Omega -cm H2O at a concentration of 100µg/ml, which can then be further diluted to other aqueous solutions.

**Storage condition :** Lyophilized EBI3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EBI3 Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid :** MRKGPPAALT LPRVQCRAPR YPIAVDCSWT LPPAPNSTSP VSFIATYRFG MAARGHSWPC LQQTASTSC  
TIADVRLFSM APYVLNVTAV HPWGSSSSFV PFIAEHIKP DPPEGVRLSP LAERQLQVQW EPPRSWPFPE  
IFSLKYWIRY KRQGAARFHQ VGPIEATSEI LRAVRPRARY CVQVAAQDLT DYGLSDWSL PATTPMSPGK.