

## 32-12029: Human Epstein-Barr Virus Induced Gene 3 Subunit (AF)

**Gene :** EBI3  
**Gene ID :** 10148  
**Uniprot ID :** Q14213  
**Alternative Name :** Epstein-Barr virus-induced gene 3 protein, IL27B

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 23.4 kDa (210 aa)

Epstein-Barr virus induced gene-3 (EBI3) is a secreted glycoprotein belonging to the hematopoietin receptor family related to the p40 subunit of interleukin 12 (IL-12). EBI3 expression is induced in B-lymphocytes in response to Epstein-Barr virus infection. EBI3 forms heterodimers with p28 to form interleukin 27 (IL-27), and with p35 to form interleukin 35 (IL-35). Both IL-27 and IL-35 have anti-inflammatory and regulatory activity.

### Product Info

**Amount :** 20 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 90\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) + 0.5% mannitol  
Sterile 10 mM HCl at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MRKGPPAALT LPRVQCRASR YPIAVDCSWT LPPAPNSTSP VSFATYRLG MAARGHSWPC LQQTPTSTSC  
TITDVQLFSM APYVLNVTAV HPWGSSSSSFV PFITEHIKP DPPEGVRLSP LAERQLQVQW EPPGSWPFPE  
IFSLKYWIRY KRQGAARFHR VGPIEATSF I LRAVRPRARY YVQVAAQDLT DYGELSDWSL PATATMSLGK

### Application Note

**Endotoxin:** Less than 0.5 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialled to compensate for this loss.

