

## Recombinant Human IL-27b/EBI-3 (Epstein-Barr Virus Induced Gene-3)

**CATALOG #:** 4376-20 20 µg  
 4376-100 100 µg  
 4376-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** > 90% by SDS-PAGE and RP-HPLC analysis  
 Endotoxin level is < 0.01 ng per µg of rh- EBI-3.

**MOL. WEIGHT:** 23.3 kDa

**FORM:** Lyophilized with mannitol.

**RECONSTITUTION:**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 – 0.5 mg/ml, which can be further diluted into other aqueous solutions.

**STORAGE CONDITIONS:**

The lyophilized product is very stable at -20 °C. Upon reconstitution the material should be aliquoted and frozen at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

**DESCRIPTION:**

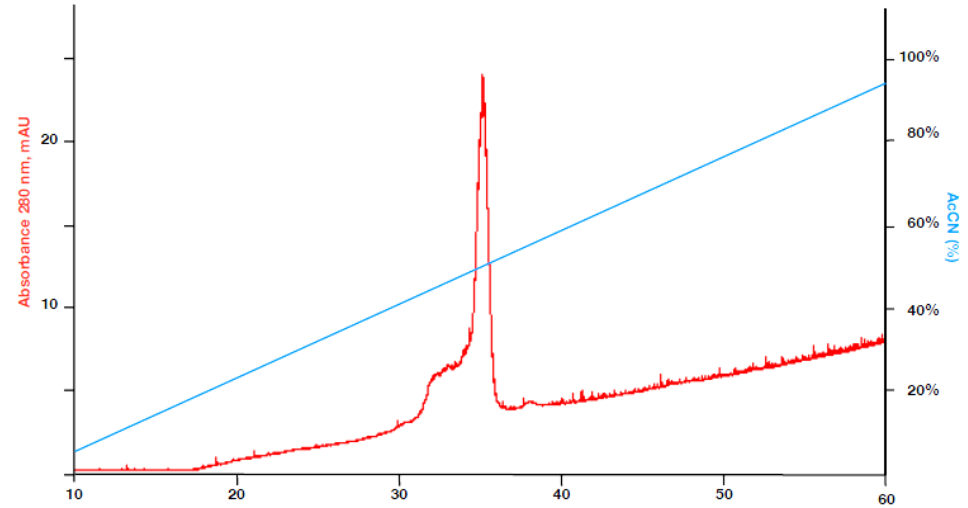
Epstein-Barr Virus Induced Gene-3 (EBI-3), is a secreted glycoprotein belonging to the hematopoietin receptor family and related to the p40 subunit of IL-12. It was identified by its induced expression in B-lymphocytes in response to Epstein-Barr virus infection. EBI-3 forms heterodimers with p28 to form IL-27 and with p35 to form IL-35. Both IL-27 and IL-35 have anti-inflammatory and regulatory activity. Recombinant Human EBI is a non-glycosylated polypeptide chain consisting of 209 amino acids with a molecular weight of 23.3 kDa

**Biological Activity:**

Assay data for human recombinant EBI-3 is based upon qualitative binding to anti-EBI-3 antibody.

**AA Sequence:**

RKGPPAALTLPVQCRASRYPIAVDCSWTLPPAPNSTSPVFSFIATYRLGMAARGHWPCLQ  
 QTPTSTSTCTITDVQLFSMAPYVLNVTAVHPWGSSSFVFPFITEHIKPDPEGVRLSPLAERQL  
 QVQWEPPGWSWPFPEIFSLKYWIRYKRQGAARFHRVGPPEATSILRAVRPRARYVQVAAQD  
 LTDYGELSDWSLPTATMSLKG



HPLC analyses of IL-27. 20 µg of IL-27 were loaded on Phenomenex Gemini C18 column (250x4.6 mm 5 µm). The column was eluted with a 50 minute gradient of AcCN from 5 to 95% in 0.1% TFA at 1 ml/min.

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