

## Recombinant Human EBI3

**Cat. No.** EBI3-45H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EBI3 was expressed in yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>Description</b>	<p>Epstein-Barr virus induced gene 3 was identified by the induction of its expression in B lymphocytes by Epstein-Barr virus infection. The protein encoded by this gene is a secreted glycoprotein, which is a member of the hematopoietin receptor family related to the p40 subunit of interleukin 12 (IL-12). It plays a role in regulating cell-mediated immune responses. EBI3 is a subunit in 2 distinct heterodimeric cytokines: interleukin-27 (IL27) and IL35. IL27 is composed of p28 (IL27) and EBI3. IL27 can trigger signaling in T cells, B cells, and myeloid cells. IL35, an inhibitory cytokine involved in regulatory T-cell function, is composed of EBI3 and the p35 subunit of IL12. Interleukin-27 (IL-27) is composed of two subunits, Epstein-Barr virus (EBV)-induced gene 3 (EBI3) (IL-27B) and IL27-p28 (known as IL-30).</p>
<b>Form</b>	Lyophilized from sterile 20mM PB, 240mM NaCl, PH6.0.
<b>Molecular Mass</b>	24.8kDa
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE

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<b>Applications</b>	Western blotting, ELISA
<b>Storage</b>	Store it under sterile conditions at -20°C to -98°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	EBI3 Epstein-Barr virus induced 3 [ Homo sapiens ]
<b>Official Symbol</b>	EBI3
<b>Synonyms</b>	EBI3; Epstein-Barr virus induced 3; interleukin-27 subunit beta; IL27 subunit; IL35 subunit; cytokine receptor; IL-27 subunit beta; EBV-induced gene 3 protein; Epstein-Barr virus induced gene 3; epstein-Barr virus-induced gene 3 protein; IL27B; IL-27B;
<b>Gene ID</b>	10148
<b>mRNA Refseq</b>	NM_005755
<b>Protein Refseq</b>	NP_005746
<b>MIM</b>	605816
<b>UniProt ID</b>	Q14213
<b>Chromosome Location</b>	19p13
<b>Pathway</b>	IL27-mediated signaling events, organism-specific biosystem;
<b>Function</b>	cytokine activity; cytokine receptor activity; interleukin-27 receptor binding;

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