

Recombinant Human EBI3

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

SPECIFICATION

Product Overview	Recombinant Human EBI3 was expressed in yeast.
Species	Human
Source	Yeast
Description	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).
Form	Lyophilized from sterile 20mM PB, 240mM NaCl, pH 6.0.
Molecular Mass	24.8kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE

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

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