

Recombinant Human EBI3

Cat. No. EBI3-28222TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EBI3 produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 209 amino acids fragment (21-229) having a molecular weight of 23.3kDa. The EBI3 is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	This gene was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection. It encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4+ T cells.
Form	Sterile Filtered White lyophilized (freeze-dried) powder. EBI3 Human Recombinant was lyophilized from a solution containing 10mM Acetic Acid and 0.5% Mannitol.
Bio-activity	Assay data for Human recombinant EBI3 is based upon qualitative binding to anti-EBI3 antibody.
Molecular Mass	23.3 kDa
AA Sequence	RKGPPAALTLPVQCRASRYPIAVDCSWTLPPAPNSTSPVSFIATYRLGMAARGHS WPCLQQTPTSTCTITDVQ LFSMAPYVLNVTAVHPWGSSSFVPFITEHIIKPDPE GVRLSPLAERQLQVQWEPPGSWPFPEIFSLKYWIRYK RQGAARFHRVGPIEATSFIL

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RAVRPRARYYVQVAAQDLTDYGELSDWSLPATATMSLGK.

Purity

Greater than 90% as determined by RP-HPLC and SDS-PAGE.

Stability

Lyophilized EBI3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EBI3 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Reconstitution

It is recommended to reconstitute the lyophilized EBI3 in sterile 10mM Acetic acid not less than 100g/ml, which can then be further diluted to other aqueous solutions.

GENE INFORMATION

Gene Name

EBI3 Epstein-Barr virus induced 3 [Homo sapiens (human)]

Official Symbol

EBI3

Synonyms

EBI3; IL27B; IL-27B; 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

Gene ID

10148

mRNA Refseq

NM_005755

Protein Refseq

NP_005746

MIM

605816

UniProt ID

Q14213

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Chromosome Location	19p13.3
Pathway	IL27-mediated signaling events
Function	cytokine activity; cytokine receptor activity; interleukin-27 receptor binding

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