

Recombinant Human Epstein-Barr Virus Induced 3, His-tagged

Cat. No. EBI3-4135H Lot. No. (See product label)

SPECIFICATION

Product Overview	EBI3 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 209 amino acids fragment (21-229) having a molecular weight of 34kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The EBI3 is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	21-229 a.a.
Description	EBI3 has an induced expression in B lymphocytes in reaction to Epstein-Barr virus infection. EBI3 encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form iL-27. EBI3 drives rapid clonal expansion of naive cd4(+) t-cells. EBI3 strongly synergizes with IL-12 to activate IFN-gamma production of naive cd4(+) t-cells. EBI3 mediates its biologic effects through the cytokine receptor wsx-1/tccr.
Form	EBI3 protein is supplied in 1xPBS, 50% glycerol.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Physical Appearance	Sterile Filtered clear solution.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

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longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

Gene Name	EBI3 Epstein-Barr virus induced 3 [Homo sapiens]
Official Symbol	EBI3
Synonyms	EBI3; Epstein-Barr virus induced 3; IL27B; cytokine receptor; interleukin-27 subunit beta; Epstein-Barr virus induced gene 3; See EBI3 in MapViewer; IL-27 subunit beta; IL-27B; Epstein-Barr virus-induced gene 3 protein; EBV-induced gene 3 protein
Gene ID	10148
mRNA Refseq	NM_005755
Protein Refseq	NP_005746
MIM	605816
UniProt ID	Q14213
Chromosome Location	19p13.3
Function	cytokine activity; cytokine receptor activity; interleukin-27 receptor binding; protein binding

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