

Product datasheet for **TP723851**

EBI3 (NM_005755) Human Recombinant Protein

Product data:

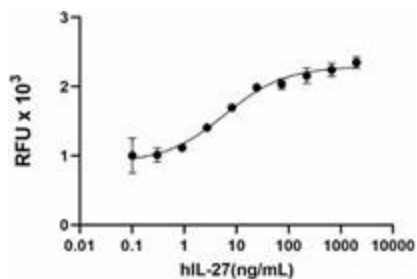
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human Epstein-Barr virus induced 3 (EBI3)
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	Human IL-27, consisting two subunits, EBI3, the region of Arg21-Lys229, from gene Accession# NM_005755 , and p28, the region of Phe29-Pro243, from gene Accession# NM_145659, linked via a GS bridge
Tag:	C-His
Predicted MW:	50 kDa
Concentration:	lot specific
Purity:	>95%, as determined by Coomassie stained SDS-PAGE.
Buffer:	0.22 µm filtered protein solution is in 20 mM HEPES, 300 mM NaCl, 2 mM CHAPS, pH 7.2
Bioactivity:	The ED50 is 60 - 90 ng/ml, corresponding to a specific activity of 1.1 - 1.7 x 10 ⁴ units/mg, determined by mouse splenocytes IL-2 inhibition induced by hIL-27 in mouse splenocytes activated with anti-CD3 and anti-CD28 antibodies. Co-immunoprecipitation (PMID: 27019190)
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_005746
Locus ID:	10148
UniProt ID:	Q14213
RefSeq Size:	1149
Cytogenetics:	19p13.3



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RefSeq ORF:	687
Synonyms:	IL-27B; IL27B; IL35B
Summary:	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. [provided by RefSeq, Sep 2008]
Protein Families:	Druggable Genome, Secreted Protein

Product images:



Recombinant Human IL-27 induces the proliferation of TF-1 human erythroleukemic cells in a dose-dependent manner. The ED50 for this effect is 1.5 - 9 ng/mL