cellsciences.com

EBI3
Recombinant Human Epstein-Barr Virus Induced Gene-3 subunit (IL-27, IL-35)

Catalog No.	CS308A	**Quantity:**	5 µg
	CS308B		20 µg
	CS308C		1 mg
	CS308D		100 µg

Alternate Names: IL-35/EBI3, IL-27/EBI3

Description: Epstein-Barr Virus Induced Gene-3 (EBI3), is a secreted glycoprotein belonging to the hematopoietin receptor family and is related to the p40 subunit of IL-12. EBI3 was identified by its induced expression in B-lymphocytes in response to Epstein-Barr virus infection. EBI3 forms heterodimers with p28 to form IL-27 and with p35 to form IL-35. Both IL-27 and IL-35 have anti-inflammatory and regulatory activity.

Gene ID: 10148

UniProt ID: Q14213

Source: *E.coli*

Molecular Weight: 23.4 kDa (210 kDa) monomer

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA), 0.5% mannitol

Purity: ≥ 90% determined by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EU/µg, by kinetic LAL analysis

Biological Activity: Identity demonstrated with western blot using polyclonal anti-EBI3 antibody.

Amino Acid Sequence: MRKGPPAALT LPRVQCRASR YPIAVDCSWT LPPAPNSTSP VSFIATYRLG MAARGHSWPC LQQTPTSTSC TITDVQLFSM APYVLNVTAV HPWGSSSSFV PFITEHIIKP DPPEGVRLSP LAERQLQQWE PPGSWPFPEI FSLKYWIRYK RQGAARFHRV GPIEATSFIL RAVRPRARYY VQVAAQDLTD YGELSDWSLP ATATMSLGK

Reconstitution: **Centrifuge vial before opening.** When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile **10 mM HCL** at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Storage & Stability: Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year.

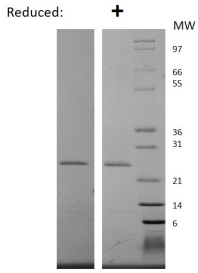
Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, prepare working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution.

Avoid repeated freeze-thaw cycles.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



Human EBI3 subunit Gel
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human EBI3 has a predicted MW of 23.4 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com