Ebi3
Recombinant Mouse IL-27 Epstein-Barr Virus Induced Gene 3

Catalog No.	CS317A	**Quantity:**	2 µg
	CS317B		10 µg
	CS317C		1 mg
	CS317D		100 µg

Alternate Names: EBI3, Interleukin 27 subunit beta, IL-27B.

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: 50498

UniProt ID: O35228

Source: *E. coli*

Molecular Weight: 23 kDa (207 aa)

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

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

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

Biological Activity: Identity detected using western blot with anti-EBI3 monoclonal antibody.

Amino Acid Sequence: MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT QQQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSSLLAFV AERIIKPDPP EGVRLRTAGQ RLQVLWHPPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGPI EATTFTLRNS KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP

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 **20 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.

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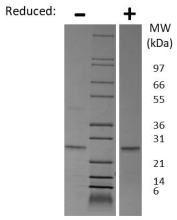

Mouse EBI3 Subunit Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse EBI3 Subunit is predicted to have a MW of 23 kDa.

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

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