

Recombinant Mouse EBI3 Subunit (IL-27/IL-35) Protein

Cat. No. Ebi3-73M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EBI3 Subunit (IL-27/IL-35) Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Epstein-Barr virus induced gene 3 (EBI3) is a secreted glycoprotein belonging to the hematopoietin receptor family related to the p40 subunit of interleukin 12 (IL-12). EBI3 expression is induced in B-lymphocytes in response to Epstein-Barr virus infection. EBI3 forms heterodimers with p28 to form interleukin 27 (IL-27), and with p35 to form interleukin 35 (IL-35). Both IL-27 and IL-35 have anti-inflammatory and regulatory activity.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 23 kDa (207 aa)
AA Sequence	MALVALSQPRVQCHASRYPVAVDCSWTPLQAPNSTRSTSFYATYRLGVATQQQSQP CLQRSPQASRCTIPDVHLFSTVPYMLNVTAVHPGGASSLLAFVAERIIKPDPEGV LRTAGQRLQVLWHPASWPFDPDIFSLKYRLRYRRRGASHFRQVGPIEATFTLRNS KPHAKYCIQVSAQDLTDYGKPSDWSLPGQVESAPHKP
Endotoxin	≤1 EUs/μg, Kinetic LAL

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Purity	≥90%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile 20 mM HCl at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	Ebi3 Epstein-Barr virus induced gene 3 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ebi3
Synonyms	EBI3; Epstein-Barr virus induced gene 3; interleukin-27 subunit beta; IL-27B; IL-27 subunit beta; epstein-Barr virus-induced gene 3 protein homolog; EBI-3; IL-27;
Gene ID	50498

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mRNA Refseq [NM_015766](#)

Protein Refseq [NP_056581](#)

UniProt ID [O35228](#)

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