



Recombinant Mouse IL-27 / EBI3
(Epstein-Barr Virus Induced Gene 3)

Catalog Number: 200-57
Accession Number: Q6EAL8

Specifications and Uses:

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

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. Recombinant mouse EBI3 is a non-glycosylated protein, containing 207 amino acids, with a molecular weight of 22.9 kDa.

Source: *E.coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Formulation and Stability:

Recombinant mouse EBI3 is lyophilized from 10 mM sodium citrate, pH 3.0. Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

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 water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity (typically ≥ 90%) determined by:

Reducing and Non-reducing SDS-PAGE, UV spectroscopy at 280 nm

Endotoxin Level:

Measured by kinetic LAL analysis and is typically ≤ 1 EU/μg protein.

Biological Activity:

Assay data for recombinant mouse EBI3 is based upon qualitative binding to anti-EBI3 antibody.

AA Sequence:

MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT QQSQPCLQR SPQASRCTIP
DVHLESTVPY MLNVTAVHPG GASSLLAFV AERIIPDPP EGVLRTAGQ RLQVLWHPA SWPFPDIFSL
KYRLRYRRRG ASHFRQVGPI EATTFTLRNS KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP

THIS PRODUCT IS FOR RESEARCH USE ONLY AND IS NOT FOR USE IN HUMANS!

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