



Product Data Sheet

Recombinant Mouse EBI3 subunit (IL-27 / IL-35)

Catalog Number: 200-57

Product Description

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

Accession Number: O35228

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.

Source: Genetically modified *E.coli*.

Predicted MW: Monomer, 23.0 kDa (with 207 amino acids)

AA Sequence: MALVALSQPR VQCHASRYPV AVDCSWTPLQ APNSTRSTSF IATYRLGVAT QQSQPCLQR SPQASRCTIP DVHLFSTVPY MLNVTAVHPG GASSLLAFV AERIIKPDPP EGVRLRTAGQ RLQVLWHPPA SWPFPDIFSL KYRLRYRRRG ASHFRQVGPI EATTFTLRNS KPHAKYCIQV SAQDLTDYGK PSDWSLPGQV ESAPHKP

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

Product Specifications*

*Lot-specific values for the following specifications are supplied with each production lot on its corresponding COA.

| Specification | Method of Determination | Acceptance Criteria |
|---------------|------------------------------------|---------------------|
| Purity | Reducing and Non-Reducing SDS-PAGE | ≥ 90% |
| Endotoxin | Kinetic LAL (50% confidence) | ≤ 1 EUs/μg |

In addition to the above listed data, this product has also been analyzed via western blot with the anti-EBI3 monoclonal antibody (MAB-200-IL3522) and is reactive.

Product Preparation and Storage

Country of Origin: USA

Shipping: Room temperature

Storage Prior to Reconstitution: -20°C

Product Reconstitution: Sterile 20 mM HCl at 0.1 mg/mL

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°C and avoid repeat freeze thaws.

Expiration Date:

12 months from date of receipt when stored at -20°C to -80°C as supplied.

1 month when stored at 4°C after reconstituting as directed.

3 months when stored at -20°C to -80°C after reconstituting as directed.

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