



Recombinant Human IL-27 / EB13
(Epstein-Barr Virus Induced Gene-3)

Catalog Number: 100-162
Accession Number: Q14213.2

Specifications and Uses:

Alternate Names: IL-35/EB13, IL-27/EB13

Description:

Epstein-Barr Virus Induced Gene-3 (EB13), is a secreted glycoprotein belonging to the hematopoietin receptor family and is related to the p40 subunit of IL-12. EB13 was identified by its induced expression in B-lymphocytes in response to Epstein-Barr virus infection. EB13 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 human EB13 is a non-glycosylated protein, containing 209 amino acids, with a molecular weight of 23.3 kDa.

Source: *E.coli*

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

Formulation and Stability:

Recombinant human EB13 is lyophilized with no additives.

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

Endotoxin Level:

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

Biological Activity:

Human EB13 has no known independent biological function, but is assayed by qualitative binding to an anti-EB13 antibody.

AA Sequence:

MRKGPPAALTLPRVQCRASRYPIAVDCSWTLPPAPNSTSPVFIATYRLGMAARGHSWPCLOQTPTSTCTITDVQLF
SMAPYVLNVTAVHPWGSSSFVPFITEHIKPDPEGVRLSPLAERQLQVQWEPGSGWPFPEIFSLKYWIRYKRQGAA
RFHRVGPPIEATSFILRAVRPRARYVQVAAQDLTDYGELSDWVSLPATATMSLGK

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

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