



Synonym

IL-27B, IL27B, IL35B

Source

Human EBI3 Protein, His Tag(EB3-H51H3) is expressed from E. coli cells. It contains AA Arg 21 - Lys 229 (Accession # [Q14213](#)).

Predicted N-terminus: Met

Molecular Characterization

EBI3(Arg 21 - Lys 229)
Q14213 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 25.3 kDa. The protein migrates as 25-26 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE).

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 20 mM NaAc, 150 mM NaCl, pH3.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

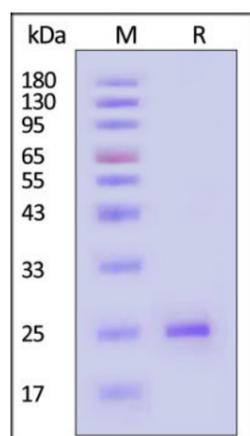
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



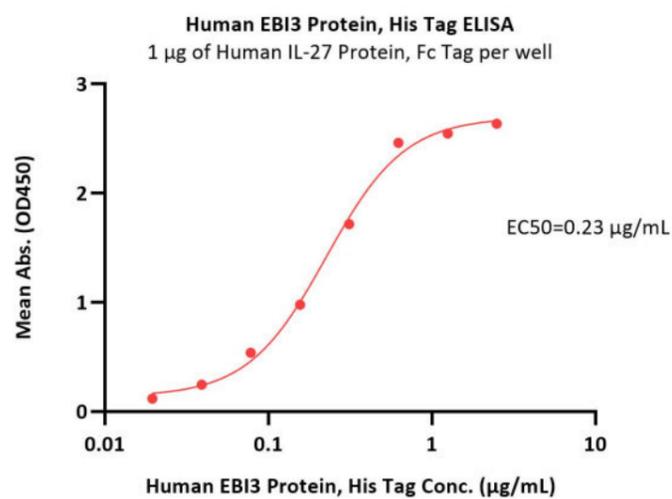
Human EBI3 Protein, His Tag on SDS-PAGE under reducing (R) condition.

The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

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Immobilized Human IL-27 Protein, Fc Tag (Cat. No. IL7-H5254) at 10 µg/mL (100 µL/well) can bind Human EB13 Protein, His Tag (Cat. No. EB3-H51H3) with a linear range of 0.02-0.625 µg/mL (QC tested).

Background

This gene was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection. It encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4⁺ T cells.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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