



## 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

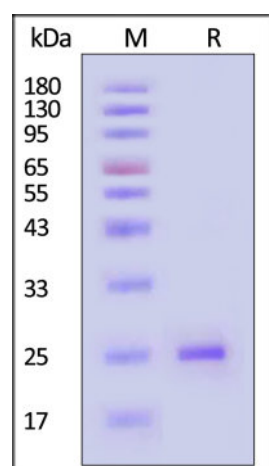
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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



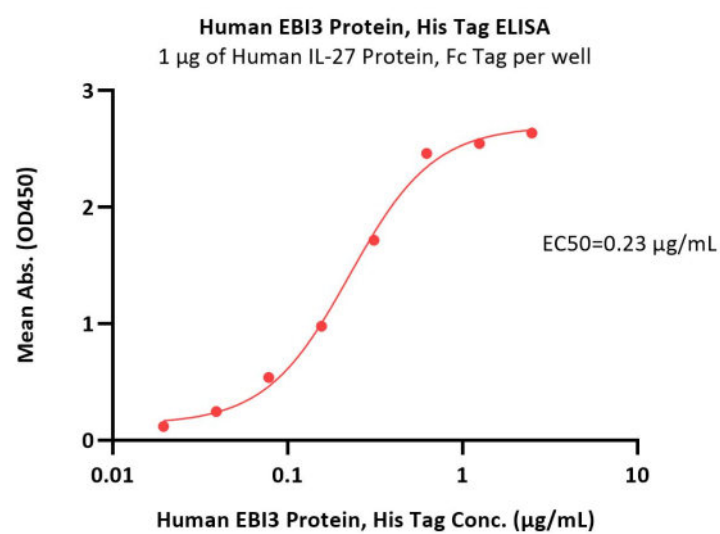
Human EBI3 Protein, His Tag on SDS-PAGE under reducing (R) condition.

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

## Bioactivity-ELISA

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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<sup>+</sup> T cells.

## Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.

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