# Human EBI3 Protein, His Tag

Catalog # EB3-H51H3

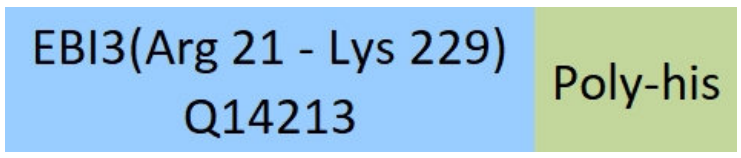
## Synonym

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




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).

## 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

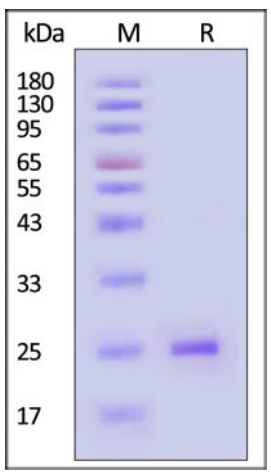
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

***Please avoid repeated freeze-thaw cycles.***

This product is stable after storage at:

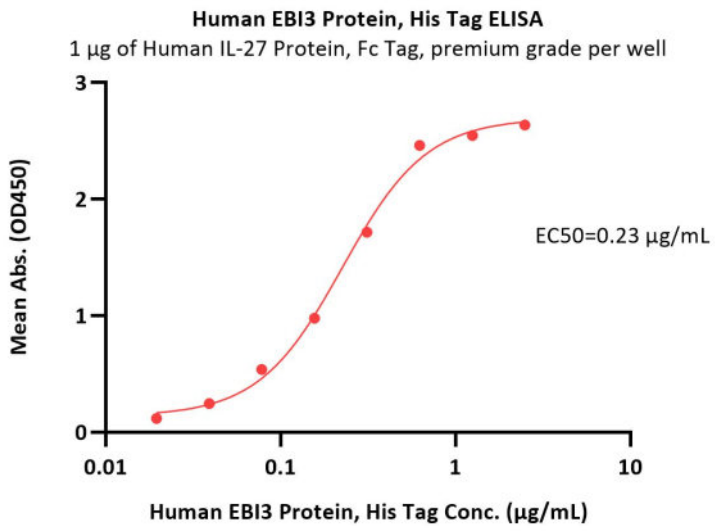
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## 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




Immobilized Human IL-27 Protein, Fc Tag, premium grade (Cat. No. IL7-H5254) at 10 μg/mL (100 μL/well) can bind Human EBI3 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.