

Datasheet for ABIN6700896

EBI3 Protein[Go to Product page](#)**1** Image

Overview

Quantity:	20 µg
Target:	EBI3 (IL-27b)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	EBI-3 Human Recombinant Protein
Purification:	Recombinant protein corresponds to amino acids 21 to 229 of mature human EBI3. Purity is greater than 90% as determined by reducing and non-reducing SDS-PAGE and by analytical HPLC.
Purity:	90,00%
Endotoxin Level:	Measured by LAL is < 0.01 ng/µg or < 0.1 EU/µg protein.
Biological Activity Comment:	Assay data for Human recombinant EBI-3 is based upon qualitative binding to anti-EBI-3 antibody.

Target Details

Target:	EBI3 (IL-27b)
Alternative Name:	IL-27B (IL-27b Products)
Background:	Synonyms: Epstein-Barr virus induced 3 protein, Interleukin-27 subunit beta, IL-27 subunit beta,

Target Details

IL-27B cytokine, Epstein-Barr virus-induced gene 3 protein, EBV-induced gene 3 protein, EBI-3, EBI3, IL-35, IL35

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

UniProt: [Q14213](#)

Application Details

Application Notes: Other: User Optimized
Application_Note: EBI-3 protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-EBI-3 in immunological assays.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 20 µL (20-200 µL)

Concentration: 0.1 mg/mL

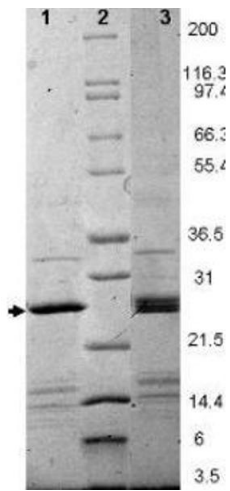
Buffer: Buffer: 0.1 % Trifluoroacetic acid
Stabilizer: 0.5 % Mannitol

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months



SDS-PAGE

Image 1. EBI-3 Human Recombinant Protein - SDS-PAGE. SDS-PAGE using Recombinant Human EBI-3 Protein shows bands corresponding to EBI-3 (1 μ g) in lane 1 (unreduced, arrowhead) and lane 3 (reduced). Molecular weight estimation was made by comparison to prestained MW markers, lane 2.