

Recombinant Human IL10/Interleukin-10 Protein

Catalog No.: RP00093 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3586	P22301

Tags

C-6xHis

Synonyms

CSIF;GVHDS;IL-10;IL10A;TGIF

Product Information

Source	Purification
HEK293 cells	> 92% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Basic Information

Description

Recombinant Human IL10/Interleukin-10 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ser19-Asn178) of human IL10/Interleukin-10 (Accession #NP_000563.1) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

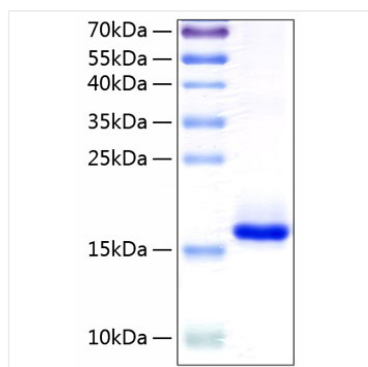
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human IL10/Interleukin-10 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18 kDa.