

Recombinant Human IL-6 Protein

Catalog No.: RP01688

Sequence Information

Species **Gene ID**
Human 3569

Swiss Prot **Tags**
P05231 NO-tag

Synonyms

CDF; HGF; HSF; BSF2; IL-6; BSF-2;
IFNB2; IFN-beta-2

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
20.81 kDa around 25 kDa

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.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1–0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Interleukin-6 is a multifunctional α-helical cytokine that regulates cell growth and differentiation of various tissues, which is known particularly for its role in the immune response and acute phase reactions. It is secreted by T cells, macrophages, monocytes, fibroblasts, endothelial cells, et al. to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. Interleukin 6 has been shown to interact with interleukin-6 receptor and glycoprotein. IL-6 is relevant to many disease processes such as diabetes, atherosclerosis, depression, Alzheimer's Disease, systemic, lupus erythematosus, prostate cancer and rheumatoid arthritis.

Basic Information

Description

Active Recombinant Human IL6 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val30–Met212) of human IL6 (Accession #NP_000591.1) fused with no additional amino acid.

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED₅₀ for this effect is 0.12–0.47 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

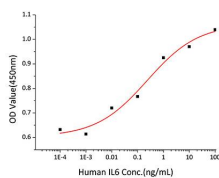
Contact

☎ | 400-999-6126

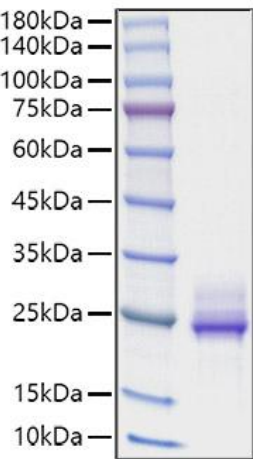
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human IL6 stimulates cell proliferation of the TF-1 human erythroleukemic cells. The ED₅₀ for this effect is 0.12-0.47 ng/mL.



Recombinant Human IL-6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.