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## Recombinant human IL-6 protein

Catalog Number: ATGP3278

#### **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

30-212aa

#### UniProt No.

P05231

#### **NCBI Accession No.**

NP 000591

### **Alternative Names**

Interleukin-6, B-cell stimulatory factor 2, BSF-2, CTL differentiation factor, CDF, Hybridoma growth factor, Interferon beta-2, IFN-beta-2, IFNB2, HGF, HSF

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

21.6Da (189aa)

#### **Concentration**

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

## **Biological Activity**

Measured in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 range ≤ 0.8 ng/ml.

#### Tag

His-Tag

## **Application**

SDS-PAGE, Bioactivity

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**



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## Recombinant human IL-6 protein

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### **Description**

IL6, also known as interleukin 6. It is a cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. This protein plays an essential role in the final differentiation of B-cells into Igsecreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Recombinant human IL6 protein was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

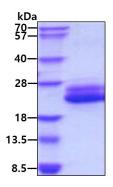
VPPGEDSKDV AAPHRQPLTS SERIDKQIRY ILDGISALRK ETCNKSNMCE SSKEALAENN LNLPKMAEKD GCFQSGFNEE TCLVKIITGL LEFEVYLEYL QNRFESSEEQ ARAVQMSTKV LIQFLQKKAK NLDAITTPDP TTNASLLTKL QAQNQWLQDM TTHLILRSFK EFLQSSLRAL RQM<HHHHHHH>

#### **General References**

Wong GG., et al. (1988) Behring Inst Mitt. 83:40-47. Ming JE., et al. (1989) J Mol Cell Immunol. 4:203-211.

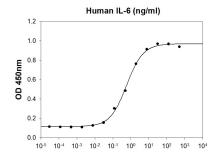
#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

## **Biological Activity**



Human IL-6 in a cell proliferation assay using TF-1 human erythroleukemic cell. The ED50 range  $\leq 0.8$  ng/ml.

