PRODUCT INFORMATION

Expression system E.coli

Domain 25-211aa

UniProt No. P08505

NCBI Accession No. NP_112445

Alternative Names Interleukin 6, IL-6, B-cell hybridoma growth factor, BSF, Interleukin HP-1

PRODUCT SPECIFICATION

Molecular Weight 24.0 kDa (208aa)

Concentration 0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 80% by SDS-PAGE

Tag His-Tag

Application SDS-PAGE, Denatured

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

Description

IL6 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 Ig-secreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Recombinant mouse IL6 protein, fused to His-tag at N-terminus, was expressed in E. coli

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>FPTSQVRRG DFTEDTTPNR PVYTTSQVGG LITHVLWEIV EMRKELCNGN



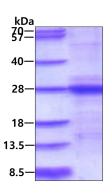
SDCMNNDDAL AENNLKLPEI QRNDGCYQTG YNQEICLLKI SSGLLEYHSY LEYMKNNLKD NKKDKARVLQ RDTETLIHIF NQEVKDLHKI VLPTPISNAL LTDKLESQKE WLRTKTIQFI LKSLEEFLKV TLRSTRQT

General References

May L.T., et al. (1991) Cytokine 3:204-211

DATA

SDS-PAGE



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