

Recombinant mouse IL-6 protein

Catalog Number: ATGP3154

PRODUCT INFORMATION

Expression system

Baculovirus

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

22.5 kDa (193aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by absorbance at 280nm)

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 M-NFS-60 mouse B cell. The ED50 for this effects is less or equal to 0.1ng/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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Description

IL6, also known as Interleukin-6, 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, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

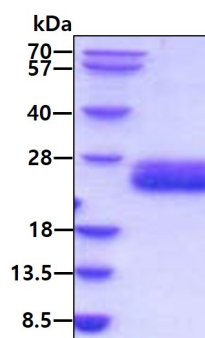
FPTSQVRRGD FTEDTTPNRP VYTTSQVGGL ITHVLWEIVE MRKELCNGNS DCMNND DALA ENNLKLPEIQ RNDGCYQTGY NQEICLLKIS SGLLEYHSYL EYMKNNLKDN KKDKARVLQR DTETLIHIFN QEVKDLHKIV LPTPISNALL TDKLESQKEW LRTKTIQFIL KSLEEF LKVT LRSTRQT<HHH HHH>

General References

May LT. et al., (1991) Cytokine 3:204-211.
Fiorillo MT. et al., (1992) Eur. J. Immunol. 22:799-804.

DATA

SDS-PAGE



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

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