

Recombinant human IL-7 protein

Catalog Number: ATGP3442

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-177aa

UniProt No.

P13232

NCBI Accession No.

NP_000871.1

Alternative Names

Interleukin-7 isoform 1, IL7, IL-7, I17, Interleukin-7

PRODUCT SPECIFICATION

Molecular Weight

18.4 kDa (161aa)

Concentration

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

Formulation

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

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

His-Tag

Application

SDS-PAGE

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

IL7, as known as interleukin-7 isoform 1, is a cytokine of the hemopoietin family that plays important roles in lymphocyte differentiation, proliferation, and survival. This protein is a hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells but is not produced by normal lymphocytes. Recombinant human IL7, fused to His-

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tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

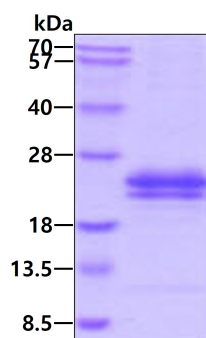
<ADP>DCDIEGK DGKQYESVLM VSIDQLLD SM KEIGSNCLNN EFNFFKRHIC DANKEGMFLF RAARKLRQFL
KMNSTGDFDL HLLKVSEGT ILLNCTGQVK GRKPAALGEA QPTKSLEENK SLKEQKKLND LCFLKRLLE IKTWCWNKILM
GTKE<HHHHHH H>

General References

Iolyeva M., et al. (2013) Blood 122:2271-2281.
Younas M., et al. (2013) J. Immunol. 191:3161-3168.

DATA

SDS-PAGE



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