

Recombinant human IL-7R alpha/IL7R protein

Catalog Number: ATGP3703

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-239aa

UniProt No.

P16871

NCBI Accession No.

NP_002176

Alternative Names

Interleukin 7 receptor, Interleukin-7 receptor subunit alpha, IL-7R subunit alpha, IL-7R-alpha, IL-7RA, CD127, CDw127, Inc-IL7R

PRODUCT SPECIFICATION

Molecular Weight

52.5 kDa (461aa)

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

hIgG-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

IL7R, also known as interleukin-7 receptor, is a hematopoietin receptor superfamily member. It plays important role in lymphocyte differentiation, proliferation, multiple sclerosis, and survival. This protein signaling is essential for T-cell development and regulation of native and memory T-cell homeostasis. Also, it is critically required for

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the proper development and function of lymphoid cells. Recombinant human IL7R, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

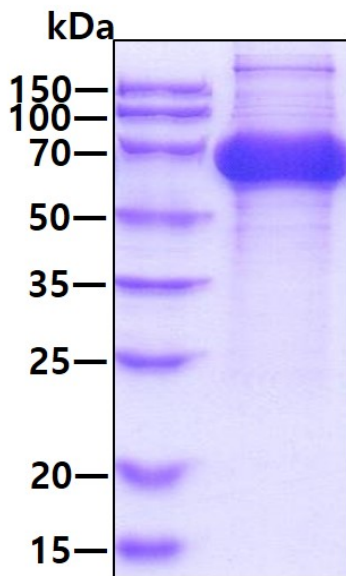
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WLNQKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK
TTPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMEAL HNHYTQKSLSPGKHHHHH H>

General References

Goodwin RG., et al, (1990) Cell 60:941-951.
Melao A., et al, (2016) Haematologica 101:1368-1379.

DATA

SDS-PAGE



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