

# Recombinant human IL-3R alpha/IL3RA protein

Catalog Number: ATGP3712

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

20-305aa

### UniProt No.

P26951

### NCBI Accession No.

NP\_002174

### Alternative Names

Interleukin 3 receptor subunit alpha isoform 1, IL3RA, CD123, hIL-3Ra, IL3R

## PRODUCT SPECIFICATION

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### Molecular Weight

34.1 kDa (295aa)

### Concentration

0.25mg/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

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### Description

IL3RA, also known as interleukin 3 receptor subunit alpha isoform 1, is a single-pass type 1 membrane protein which belongs to the type 1 cytokine receptor family and type 5 subfamily. This protein is a pleiotropic cytokine produced primarily by activated T cells or mast cells. Also, the specific alpha subunit of the interleukin 3 receptor is strongly expressed in various leukemic blasts and leukemic stem cells and seems to be an excellent target for

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the therapy of leukemias. Recombinant human IL3RA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

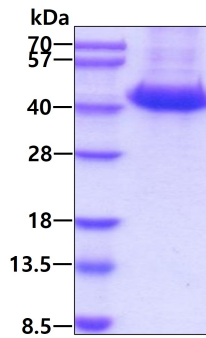
<ADL>KEDPNPP ITNLRMKAKA QQLTWDLNRN VTDIECVKDA DYSMPAVNNS YCQFGAISLC EVTNYTVRVA NPPFSTWILF  
PENSGKPWAG AENLTCWIHD VDFLSCSWAV GPGAPADVQY DLYLNVANRR QQYECLHYKT DAQGTRIGCR FDDISRLSSG  
SQSSHILVRG RSAAFGIPCT DKFVVFSQIE ILTPPNMTAK CNKTHSFMHW KMRSHFNRFK RYELQIQKRM QPVITEQVRD  
RTSFQLLNPG TYTVQIRARE RVEFLSAWS TPQRFECDQE EGANTRAWR<H HHHHH>

## General References

Kosugi H., et al, (1995) Biochem. Biophys. Res. Commun. 208:360-367.  
Yoshimura A., et al, (1995) EMBO J. 14:2816-2826.

## DATA

### SDS-PAGE



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