

# Recombinant human IL-4R alpha/IL4R protein

Catalog Number: ATGP3710

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

26-232aa

### UniProt No.

P24394

### NCBI Accession No.

NP\_000409

### Alternative Names

Interleukin 4 receptor subunit alpha isoform, IL4R, CD124, IL-4RA, IL4RA, IL-4 receptor subunit alpha; IL-4R subunit alpha

## PRODUCT SPECIFICATION

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### Molecular Weight

24.7 kDa (215aa)

### Concentration

0.25mg/ml (determined by BCA assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

### Purity

> 95% 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

IL4R, also known as interleukin 4 receptor subunit alpha isoform, is a pleiotropic cytokine produced by T lymphocytes. It plays an important role in immune responsiveness by regulating proliferation and differentiation of a variety of lymphoid and myeloid cells via binding to high affinity receptors. It markedly inhibits IL-1

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production by highly purified normal human monocytes. It has been demonstrated to affect the growth of different human malignancies including pancreatic cancer cells. It plays an important role in Th2-biased immune responses, alternative macrophage activation, mucosal immunity, allergic inflammation, tumor progression, and atherogenesis. Recombinant human IL4R, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

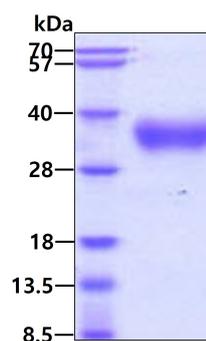
MKVLQEPTCV SDYMSISTCE WKMNGPTNCS TELRLLYQLV FLLSEAHTCI PENNGGAGCV CHLLMDDVVS ADNYTLDLWA  
GQQLLWKGFSF KPSEHVKPPRA PGNLTVHTNV SDTLLLTWSN PYPPDNYLYN HLTYAVNIWS ENDPADFRIY NVTYLEPSLR  
IAASTLKSGI SYRARVRAWA QCYNTTWSEW SPSTKWHNSY REPFEQH<LEH HHHHH>

## General References

Traub B., et al. (2017) Int J Mol Sci. 18.  
Idzerda RL., et al. (1990) J Exp Med. 171:861-873.

## DATA

### SDS-PAGE



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