

Recombinant human IL-5R alpha/IL5RA protein

Catalog Number: ATGP3781

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

21-342aa

UniProt No.

Q01344

NCBI Accession No.

NP_000555

Alternative Names

Interleukin-5 receptor subunit alpha isoform 1, IL5RA, IL-5R subunit alpha, IL5R, IL-5 receptor subunit alpha, HSIL5R3, CDw125, CD125

PRODUCT SPECIFICATION

Molecular Weight

37.8 kDa (331aa)

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)

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

IL5RA, also known as interleukin-5 receptor subunit alpha, is a subunit of the Interleukin-5 receptor. The alpha chain binds to IL5. It generates soluble secreted forms which function as IL-5 antagonists and promotes the differentiation of basophils and B cells. This protein plays also a roll of T-cell-derived cytokine which is important

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in the development of asthma for the terminal differentiation, activation and survival of committed eosinophil precursors. Recombinant human IL5RA protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

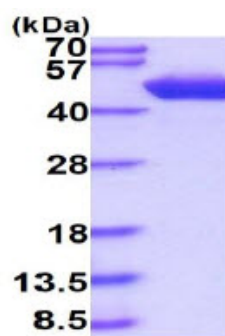
ADPDLLPDEK ISLLPPVNFT IKVTGLAQVL LQWKPNPDQE QRNVNLEYQV KINAPKEDDY ETRITESKCV TILHKGFSAS
VRTILQNDHS LLASSWASAE LHAPPGSPGT SIVNLTCTTN TTEDNYSRLR SYQVSLHCTW LVGTDAPEDT QYFLYYRYGS
WTEECQEYSK DTLGRNIACW FPRTFILSKG RDWLAVLVNG SSKHSAIRPF DQLFALHAID QINPPLNVTA EIEGTRLSIQ
WEKPVSAFPI HCFDYEYVKIH NTRNGYLQIE KLMTNAFISI IDDLISKYDVQ VRAAVSSMCR EAGLWSEWSQ PIYVGNDEHK
PLREWHHHHH H

General References

Khorasanizadeh M., et al, (2016) Int Rev Immunol. 35:294-311.
Van Rensburg IC, et al, (2017) Oncotarget. 8:2037-2043.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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