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



in the development of asthma for the lerminal differentiation, activation and survival of committed cosinophil 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

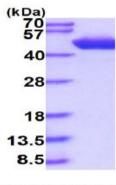
ADPDLLPDEK ISLLPPVNFT IKVTGLAQVL LQWKPNPDQE QRNVNLEYQV KINAPKEDDY ETRITESKCV TILHKGFSAS VRTILQNDHS LLASSWASAE LHAPPGSPGT SIVNLTCTTN TTEDNYSRLR SYQVSLHCTW LVGTDAPEDT QYFLYYRYGS WTEECQEYSK DTLGRNIACW FPRTFILSKG RDWLAVLVNG SSKHSAIRPF DQLFALHAID QINPPLNVTA EIEGTRLSIQ WEKPVSAFPI HCFDYEVKIH NTRNGYLQIE KLMTNAFISI IDDLSKYDVQ 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



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

15% SDS-PAGE (3ug)