

Recombinant mouse IL-5R alpha/IL5RA protein

Catalog Number: ATGP3344

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

18-339aa

UniProt No.

P21183

NCBI Accession No.

NP_032396

Alternative Names

Interleukin-5 receptor subunit alpha, Il5ra, CD125, CDw125, Il5r, IL-5 receptor subunit alpha; IL-5R subunit alpha

PRODUCT SPECIFICATION

Molecular Weight

37.8 kDa (330aa)

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

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 known to regulate the development and function of eosinophils. This protein is a therapeutic target for hypereosinophilic diseases including allergic inflammations and asthma. Oct2 enhances antibody-secreting cell differentiation through regulation of IL-5 receptor alpha chain expression on activated B cells. Recombinant mouse Il5ra, fused to His-tag at C-terminus, was expressed

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in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

DLLNHKKFLL LPPVNFTIKA TGLAQVLLHW DPNPDQEQRH VDLEYHVKIN APQEDEYDTR KTESKCVTPL HEGFAASVRT
ILKSSHTTLA SSWVSAELKA PPGSPGTSVT NLTCTHTTVV SHTHLRPYQ VSLRCTLWVG KDAPEdTQYF LYRFGVLTE
KCQEYSRDAL NRNTACWFPR TFINSKGFEQ LAVHINGSSK RAAIKPFDQL FSPLAIDQVN PPRNVTVEIE SNSLYIQWEK
PLSAFPDHCF NYELKIYNTK NGHIIQKEKLI ANKFISKIDD VSTYSIQVRA AVSSPCRMPG RWGEWSQPIY VGKERKSLVE
WH<LEHHHHHH>

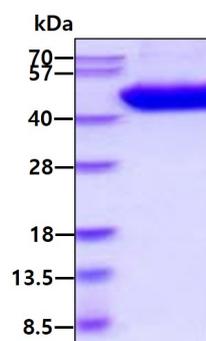
General References

Bhattacharya M., et al. (2007) Biopolymers. 88:83-93.

Emslie D., et al. (2008) J Exp Med. 205:409-421.

DATA

SDS-PAGE



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