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

Recombinant mouse IL-5R alpha/IL5RA protein

Catalog Number: ATGP3344

in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

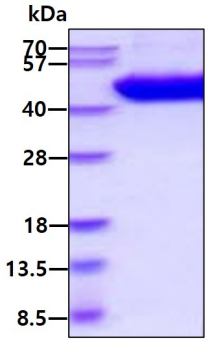
DLLNHKKFLL LPPVNFTIKA TGLAQVLLHW DPNPDQEQRH VDLEYHVKIN APQEDEYDTR KTESKCVTPL HEGFAASVRT ILKSSHTTLA SSWVSAELKA PPGSPGTSVT NLTCTTHTVV SSHTHLRPYQ VSLRCTWLVG KDAPEDTQYF LYYRFGVLTE KCQEYSRDAL NRNTACWFPR TFINSKGFEQ LAVHINGSSK RAAIKPFDQL FSPLAIDQVN PPRNVTVEIE SNSLYIQWEK PLSAFPDHCF NYELKIYNTK NGHIQKEKLI ANKFISKIDD 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