

Product information

IL5ra, 18-339aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3344

Full name: Interleukin-5 receptor subunit alpha

NCBI Accession No.: NP_032396

Synonyms: IL5ra, CD125, CDw125, IL5r

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 in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 37.8kDa (330aa)

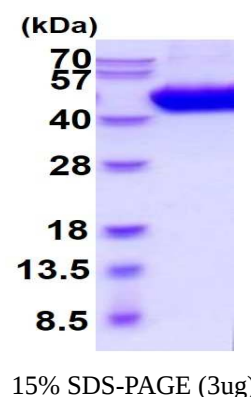
40-57KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Asp18

Purity: > 90% by SDS – PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

DLLNHKKFLL LPPVNFTIKA TGLAQVLLHW DPNPDQEQRH VDLEYHVKIN APQEDEYDTR KTESKCVTPL HEGFAASVRT ILKSSHTTLA
SSWVSaelka PPGSPGTSVT NLTCTHTTVV SSSHHLRPYQ VSLRCTWLVG KDAPEDTQYF LYRFGVLTE KCQEYSRDAL NRNTACWFPR
TFINSKGFEQ LAVHINGSSK RAAIKPFDQL FSPLAIDQVN PPRNVTVEIE SNSLYIQWEK PLSAFPDPHCF NYELKIYNTK NGHIQKEKL I
ANKFISKIDD VSTYSIQVRA AVSSPCRMPPG RWGEWSQPIY VGKERKSLVE WLEHHHHHH

General references:

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

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.