

**Il5ra, 18-339aa, Mouse, His tag, Baculovirus**

**Cat.NO.: TP02645**

3th Edition

**Synonyms:** Interleukin-5 receptor subunit alpha, 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.)

**Sequences:**

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DLLNHKKFLLLPPVNFTIKATGLAQVLLHWDPNPDQEQRHVDLEYHVKINAPQEDEYDTRKTESKCVTPLHEGFAAS
VRTILKSSHTTLASSWVSAELKAPPGSPGTSVTNLTCTTHTVVSSHTHLRPYQVSLRCTWLVGKDAPEDTQYFLYY
RFGVLTEKCQEYSRDALNRNTACWFPRTFINSKGFEQLAVHINGSSKRAAIKPFQDLFSPLAIDQVNPPRNVTVEIES
NSLYIQWEKPLSAFPDHCNFYELKIYNTKNGHIQKEKLIANKFISKIDDVSTYSIQVRAAVSSPCRMPPGRWGEWSQPI
YVGKERKSLVEWHLEHHHHHH
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**Purity:** > 95% by HPLC

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

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

**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.