
Product Data Sheet

Product Name: IL5RA Human
 Cat. No.: GP20512
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 5 Receptor Subunit Alpha; Interleukin 5 Receptor; Alpha; IL-5 Receptor Subunit Alpha; IL-5R Subunit Alpha; CD125 Antigen; CDw125; IL5R; Interleukin-5 Receptor Subunit Alpha; Interleukin-5 Receptor Alpha Chain; Interleukin 5 Receptor Type 3; IL-5R-Alpha; HSIL5R3; IL-5RA; CD125; Interleukin-5 receptor subunit alpha; IL-5 receptor subunit alpha; IL-5R subunit alpha; IL-5R-alpha; IL-5RA.		
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 IDDLISKYDVQ VRAAVSSMCR EAGLWSEWSQ PIYVGNDEHK PLREWHHHHH H.		
Formulation	IL5RA protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).		

Introduction

Interleukin-5 receptor subunit alpha (IL5ra) regulates the development and function of eosinophils. The IL5ra protein is a therapeutic target for hypereosinophilic diseases including allergic inflammations and asthma. Oct2 enhances antibody-secreting cell differentiation via regulation of IL5ra chain expression on activated B cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL5RA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 331 amino acids (21-342a.a.) and having a molecular mass of 37.8kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). IL5RA is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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