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## Product Data Sheet

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Product Name: IL3RA Human  
 Cat. No.: GP20495  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin 3 Receptor Subunit Alpha; Interleukin 3 Receptor; Alpha (Low Affinity); IL-3 Receptor Subunit Alpha; IL-3R Subunit Alpha; CD123 Antigen; IL-3R-Alpha; IL-3RA; IL3R; Interleukin-3 Receptor Subunit Alpha; IL-3 Receptor Alpha SP2 Isoform; HIL-3Ra; IL3RAY; CD123; IL3RX; IL3RY; IL3RA.		
Amino Acid Sequence	ADLKEDPNPP ITNLRMKAKA QQLTWDLNRN VTDIECVKDA DYSMPAVNNS YCQFGAISLC EVTNYTVRVA NPPFSTWILF PENSGKPWAG AENLTCWIHD VDFLSCSWAV GPGAPADVQY DLYLNVANRR QQYECLHYKT DAQGTRIGCR FDDISRLSSG SQSSHILVRG RSAAFGIPCTDKFVVSQIE ILTPPNMTAK CNKTHSFMHW KMRSHFNRKF RYELQIQKRM QPVITEQVRD RTSFQLLNPG TYTVQIRARE RVEFLSAWS TPQRFECDE EGANTRAWRH HHHHH.		
Formulation	IL3RA protein solution (0.5mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).		

### Introduction

IL3RA, also known as Interleukin 3 Receptor Subunit Alpha, is a single-pass type 1 membrane protein which is a member of the type 1 cytokine receptor family as well as type 5 subfamily. IL3RA is a pleiotropic cytokine which is produced mainly by activated T cells or mast cells. Moreover, the specific alpha subunit of the interleukin 3 receptor is strongly expressed in a variety of leukemic blasts as well as leukemic stem cells and appears to be a great target for the therapy of leukemias.

### 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

IL3RA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (20-305 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 295 amino acids and having a molecular mass of 34.1kDa. IL3RA shows multiple bands between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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