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## Product Data Sheet

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Product Name: IL13RA1 Human  
 Cat. No.: GP20565  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CD213A1; IL-13Ra; NR404235; Interleukin-13 receptorsubunit alpha-1;IL-13R subunit alpha-1; IL-13R-alpha-1; IL-13RA1; Cancer/testisantigen 19; Cancer/testis antigen 19.		
Amino Acid Sequence	GGGGAAPTET QPPVTNLSVS VENLCTVIWT WNPPEGASSN CSLWYFSHFGDKQDKKIAPE TRRSIEVPLN ERICLQVGSQ CSTNESEKPS ILVEKCISPP EGDPE SAVTE LQCIWHNLSYMKCSWLPGRN TSPDTNYTLY YWHR SLEKIH QCENIFREGQ YFGCSFDLTK VKDSSFEQHS VQIMVKDNAGKIKPSFNIVP LTSRVKPDPP HIKNLSFHND DLYVQWENPQ NFISRCLFYE VEVNNSQTET HNVFYVQEAKCENPEFERNV ENTSCFMVPG VLPDTLNTVR IRVKTNKLCY EDDKLWSNWS QEMSIGKKRN STHHHHHH.		
Formulation	IL13RA1 protein solution (0.5mg/ml) in Phosphate buffersaline (pH 7.4).		

### Introduction

Interleukin-13 receptor subunit alpha-1 (IL13RA1) is a subunit of the interleukin 13 receptor. The IL13RA1 subunit forms a receptor complex with IL4 receptor alpha, which is a subunit shared by IL13 and IL4 receptors. IL13RA1 binds tyrosine kinase TYK2, and thus may mediate the signaling processes which leads to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. IL13RA1 is vital for allergen-induced airway hyperactivity and mucus hypersecretion.

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

### Background

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

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IL13RA1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 328 amino acids (22-343 a.a) and having a molecular mass of 37.7kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).IL13RA1 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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