

Recombinant Human IL13RA1, His-tagged

Cat. No. IL13RA1-3483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL13RA1 Protein (22-343 AA) is produced by E. Coli expression system. This protein is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	22-343 AA
Description	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.
Form	IL13RA1 protein solution (0.5mg/ml) in Phosphate buffer saline (pH 7.4).
Molecular Mass	37.7 kDa (Migrates at 40-57 kDa on SDS-PAGE under reducing conditions).
AA Sequence	GGGGAAPTET QPPVTNLSVS VENLCTVIWT WNPPEGASSN CSLWYFSHFG DKQDKKIAPE TRRSIEVPLN ERICLQVGSQ CSTNESEKPS ILVEKCISPP EGDPESAVTE LQCIWHNLSY MKCSWLPGRN TSPDTNYTLY YWHRSLKIH QCENIFREGQ YFGCSFDLTK VKDSSFEQHS VQIMVKDNAG KIKPSFNIVP

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LTSRVKPDPP HIKNLSFHND DLYVQWENPQ NFISRCLFYE VEVNNSQTET
 HNVFYVQEAK CENPEFERNV ENTSCFMVPG VLPDTLNTVR IRVKTNKLCY
 EDDKLWSNWS QEMSIGKKRN STHHHHHH.

Purity > 90% as determined by SDS-PAGE.

Usage The product is furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Stability Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade 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.

GENE INFORMATION

Gene Name IL13RA1 interleukin 13 receptor, alpha 1 [Homo sapiens]

Official Symbol IL13RA1

Synonyms IL13RA1; CD213a1; CD213a1 antigen; IL 13Ra; NR4; CT19; IL-13RA1; IL-13R-alpha-1; IL-13R subunit alpha-1; CD213A1; IL-13Ra;

Gene ID 3597

mRNA Refseq NM_001560

Protein Refseq NP_001551

MIM 300119

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UniProt ID

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