

IL13RA1, 22-343aa , Human, His tag, Insect cell

Cat.NO.: TP02609

3th Edition

Synonyms:Interleukin-13 receptor subunit alpha-1, CD213A1, IL-13Ra, NR404235

Description:IL13RA1, also known as Interleukin-13 receptor subunit alpha-1, is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. It is essential for allergen-induced airway hyperactivity and mucus hypersecretion. Recombinant human IL13RA1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate buffer saline (pH 7.4)

Molecular Weight:37.7kDa (328aa) 40-57kDa (SDS-PAGE under reducing conditions.)

Sequences:

GGGGAAPTETQPPVTNLSVSVENLCTVIWTWNPPEGASSNCSLWYFSHFQDKQDKKIAPETRRSIEVPLNERICLQ
VGSQCSTNESEKPSILVEKCISPPEGDPESAVTELQCIWHNLSYMKCSWLPGRNTSPDTNYTLYYWHRSLKIHQC
ENIFREGQYFGCSFDLTKVKDSSFEQHSVQIMVKDNAGKIKPSFNIVPLTSRVKPDPPHIKNLSFHNDLDLYVQWENP
QNFISRCLFYEVVNNSTETHNVFYVQEAKCENPEFERNVENTSCFMVPGVLPDTLNTVRIRVKTNKLCEYEDDKL
WSNWSQEMSIGKKRNSTHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

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.