Recombinant Mouse Interleukin 13 Receptor, Alpha 1

Cat. No. Il13ra1-1760M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Source	Mammalian Cells
Description	Interleukin 13 receptor, alpha 1, also known as IL13RA1 and CD213A1 (cluster of differentiation 213A1) 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 subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of 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. IL-13Ralpha1is essential for allergen-induced airway hyperreactivity and mucus hypersecretion.
Molecular Weight	The predicted molecular weight of Recombinant Mouse IL-13 Rα1 is Mr 63 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 100-120 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.

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Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃to -70℃. After aseptic reconstitution, this protein may be stored at 2℃to 8℃for one month or at -20℃to -70℃in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Il13ra1 interleukin 13 receptor, alpha 1 [Mus musculus]
Synonyms	Il13ra1; interleukin 13 receptor, alpha 1; NR4; Il13ra; CD213a1; AI882074; IL-13r[a]; OTTMUSP00000018722
Gene ID	16164
mRNA Refseq	NM_133990
Protein Refseq	NP_598751
UniProt ID	O09030
Chromosome Location	X 12.5 cM
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	cytokine receptor activity; receptor activity

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