

Recombinant Rhesus macaque IL13RA2 protein, His-tagged

Cat. No. IL13RA2-540R Lot. No. (See product label)

SPECIFICATION

Product Overview Rhesus macaque IL-13 R alpha 2, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 26 - Ther 340 (Accession # XP_014983540.1).

Species Rhesus macaque

Source HEK293

ProteinLength Ser 26 - Ther 340

Description

Interleukin-13 receptor subunit alpha-2 is also known as IL13R α 2, IL13Ra2 cluster of differentiation 213A2, CD213A2, CT19, IL-13R, IL13BP, and is a membrane bound protein that in humans is encoded by the IL13RA2 gene. IL13R α 2 is closely related to IL13R α 1, a subunit of the interleukin-13 receptor complex. This protein binds IL13 with high affinity, but lacks any significant cytoplasmic domain, and does not appear to function as a signal mediator. It is, however able to regulate the effects of both IL13 and IL4, despite the fact it is unable to bind directly to the latter. It is also reported to play a role in the internalization of IL13. IL13R α 2 is a component of the cell surface receptors, however, the majority exists in intracellular pools and in soluble form, and thus plays an opposite role as a potent IL13 antagonist compared with IL13R α 1. It also functions as an inhibitor of IL4-dependent pathway probably through the physical interaction between the short intracellular domain of and cytoplasmic domain of IL13R α 2 and the IL4R α chain. In spite of the failed STAT signaling function, IL13R α 2 dose induce TGF-beta production and fibrosis. Additionally, IL13R α 2has been reported to be abundantly and specifically overexpressed in glioblastoma multiforme.

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Predicted N Terminal	Ser 26
Form	Please contact us for detailed information.
Molecular Mass	The protein has a calculated MW of 40.0 kDa.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20°C or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20°C to -70°C for 12 months in lyophilized state;</p> <p>-70°C for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL13RA2 interleukin 13 receptor subunit alpha 2 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	IL13RA2
Synonyms	IL13RA2; CD213A2; CT19; IL-13R; IL13BP
Gene ID	708339
mRNA Refseq	XM_015128054.2
Protein Refseq	XP_014983540.1
UniProt ID	F6Z890

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