

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 IL13Rα2, 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. IL13Rα2 is closely related to IL13Rα1, 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. IL13Rα2 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 IL13Rα1. 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 IL13Rα2 and the IL4Rα chain. In spite of the failed STAT signaling function, IL13Rα2 dose induce TGF-beta production and fibrosis. Additionally, IL13Rα2has 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	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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 [Macaca mulatta (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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