Datasheet for ABIN7121408

# IL13RA2 Protein (His tag)

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## Overview

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| Quantity: | 100 µg |
| Target: | IL13RA2 |
| Origin: | Dog |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL13RA2 protein is labelled with His tag. |

## Product Details

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| Purpose: | Canine IL-13 R alpha 2 Protein, His Tag (MALS verified) |
| Sequence: | Ser 22 - Thr 338 |
| Characteristics: | Canine IL-13 R alpha 2, His Tag (IL2-C52H6) is expressed from human 293 cells (HEK293). It contains AA Ser 22 - Thr 338 (Accession # Q95LF0-1). |
| Purity: | >90 % as determined by SDS-PAGE. |
| Endotoxin Level: | Less than 1.0 EU per µg by the LAL method. |
| Grade: | MALS verified |

## Target Details

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| Target: | IL13RA2 |
| Alternative Name: | IL-13 R alpha 2 (IL13RA2 Products) |
| Background: | Synonyms: IL13RA2,CD213A2,CT19,IL-13R,IL13BP, |

## Target Details

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| | 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. |
| Molecular Weight: | 40.3 kDa |

## Application Details

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| Application Notes: | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 40.3 kDa. The protein migrates as 45-55 kDa under reducing (R) condition due to glycosylation. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Buffer: | PBS, pH 7.4 |
| Storage: | -20 °C |
| Storage Comment: | -20°C |