

Datasheet for ABIN7196396

IL13 Receptor alpha 1 Protein (His tag)**1** Image[Go to Product page](#)

Overview

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|-------------------------------|--|
| Quantity: | 50 µg |
| Target: | IL13 Receptor alpha 1 (IL13RA1) |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This IL13 Receptor alpha 1 protein is labelled with His tag. |

Product Details

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|------------------------------|---|
| Purpose: | Recombinant Mouse IL13RA1 Protein (His Tag)(Active) |
| Sequence: | Met 1-Thr 340 |
| Characteristics: | A DNA sequence encoding the extracellular domain (Met 1-Thr 340) of mouse IL13Ra1 (NP_598751.3) precursor was fused with the a polyhistidine tag at the C-terminus. |
| Purity: | > 98 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Biological Activity Comment: | 1.Measured by its binding ability in a functional ELISA.2.Immobilized mouse IL13RA1-His at 10µg/mL (100µL/well) can bind human Fc-IL13, the EC50 of human Fc-IL13 is 0.5-1.5 µg/mL. |

Target Details

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| Target: | IL13 Receptor alpha 1 (IL13RA1) |
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Target Details

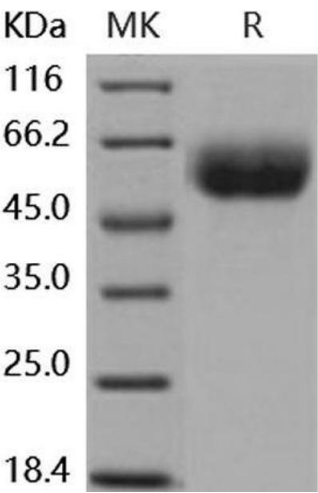
| | |
|-------------------|--|
| Alternative Name: | IL13RA1 (IL13RA1 Products) |
| Background: | <p>Background: Interleukin 13 receptor, alpha 1, also known as IL13RA1/IL-13RA1 and CD213A1 (cluster of differentiation 213A1), is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors.</p> <p>IL13RA1/IL-13RA1 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. IL13RA1/IL-13RA1 binds with low affinity to interleukin-13 (IL13). This subunit together with IL4RA can form a functional receptor for IL13. IL13RA1/IL-13RA1 also serves as an alternate accessory protein to the common cytokine receptor gamma chain for interleukin-4 (IL4) signaling, but cannot replace the function of IL2RG in allowing enhanced interleukin-2 (IL2) binding activity.</p> <p>Synonym: AI882074,CD213a1,IL-13r[a],IL13ra,NR4</p> |
| Molecular Weight: | 37.6 kDa |
| NCBI Accession: | NP_598751 |
| Pathways: | JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile PBS, pH 7.4 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | <p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p> |



Western Blotting

Image 1.