# Human IL-13Ra2 Protein

**Cat. No.** ILR-HM2R2

## Description

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| **Source** | Recombinant Human IL-13Ra2 Protein is expressed from HEK293 with hFc tag at the C-Terminus. |
| | It contains Asp27-Leu342. |
| **Accession** | Q14627 |
| **Molecular Weight** | The protein has a predicted MW of 63.7 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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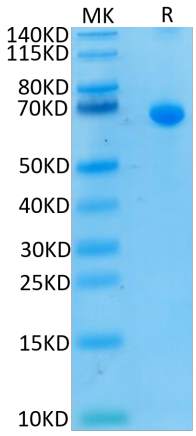
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Two type 1 membrane proteins belonging to the hemopoietin receptor family have been cloned and shown to bind IL-13 with differing affinities. The lower affinity IL-13 binding protein, previously designated IL-13 R alpha, IL-13 R alpha ' or NR4, is now referred to as IL-13 R alpha 1. The high-affinity IL-13 binding protein, previously also designated IL-13 R or IL-13 R alpha ', is now referred to as IL-13 R alpha 2.

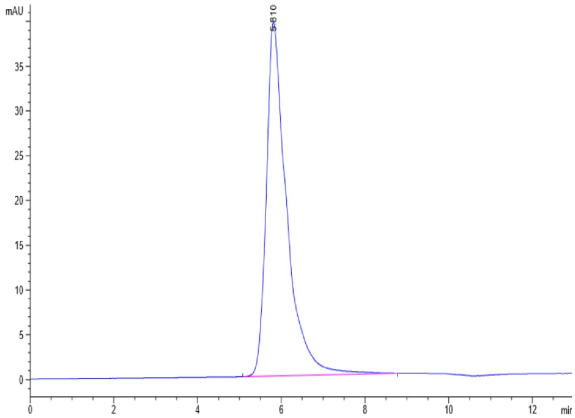
## Assay Data

### Bis-Tris PAGE




Human IL-13Ra2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC




The purity of Human IL-13Ra2 is greater than 95% as determined by SEC-HPLC.

# Human IL-13Ra2 Protein

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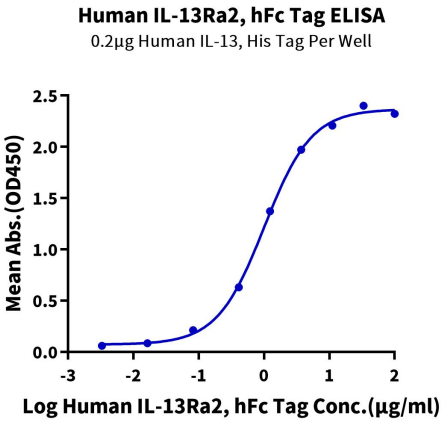
## Assay Data

### ELISA Data




Immobilized Human IL-13, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human IL-13Ra2, hFc Tag with the EC50 of 1.0μg/ml determined by ELISA.