Human IL-13Ra1 Protein

Cat. No. ILR-HM1R1

Description

Source	Recombinant Human IL-13Ra1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala27-Thr343.
Accession	P78552-1
Molecular Weight	The protein has a predicted MW of 37.7 kDa. Due to glycosylation, the protein migrates to 50-70 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

Formulation and Storage

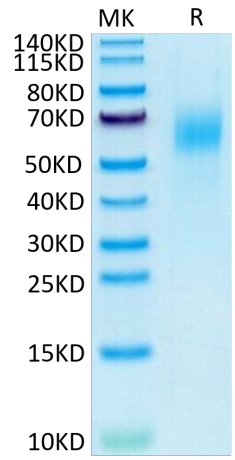
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

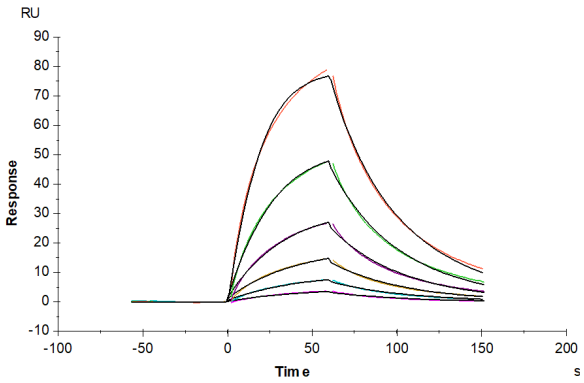
Assay Data

Bis-Tris PAGE



Human IL-13Ra1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SPR Data



Human IL-13, No Tag immobilized on CM5 Chip can bind Human IL-13Ra1, His Tag with an affinity constant of 0.55 μM as determined in SPR assay (Biacore T200).