

Biotinylated Human IL-23R Protein (Primary Amine Labeling)



Cat. No. ILR-HM223B

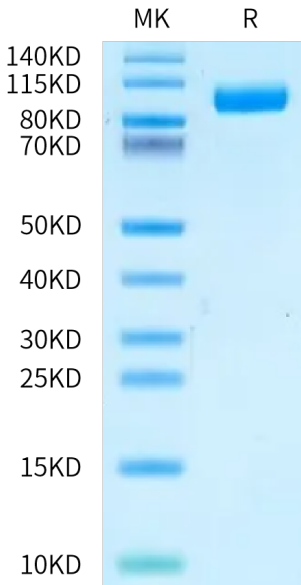
Description	
Source	Recombinant Biotinylated Human IL-23R Protein (Primary Amine Labeling) is expressed from HEK293 with hFc tag at the C-terminus. It contains Gly24-Gly355.
Accession	Q5VWK5-1
Molecular Weight	The protein has a predicted MW of 64.81 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Supplied as 0.22 µm 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	
Interleukin-23 (IL-23), a member of the IL-12 family of cytokines, is a heterodimeric cytokine. It is composed of subunits p40 (shared with IL-12) and p19 (an IL-12 p35-related subunit) and is secreted by several types of immune cells, such as natural killer cells and dendritic cells. The IL-23 receptor is composed of the subunit IL-12Rβ1 and the IL-23-specific subunit IL-23R. The binding of IL-23 to its specific cell surface receptor regulates a number of functions, including proliferation and differentiation of cells and secretion of cell factors.	

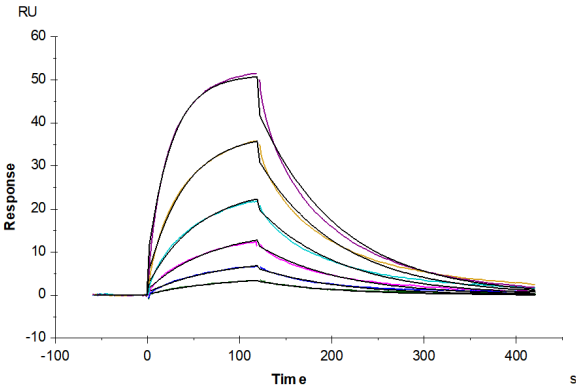
Assay Data

Bis-Tris PAGE



Biotinylated Human IL-23R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SPR Data



Biotinylated Human IL-23R, hFc Avi Tag captured on CM5 Chip via Protein A can bind Human IL-23 alpha&IL-12 beta, His Tag with an affinity constant of 42.04 nM as determined in SPR assay (Biacore T200).