Human Hyper IL-6 Protein

Cat. No. HIL-HM106

Description

Source	Recombinant Human Hyper IL-6 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Pro113-Ala323 (sIL-6R) and Val30-Met212 (IL-6).
Accession	P08887-2(sIL-6R) & P05231(IL-6)
Molecular Weight	The protein has a predicted MW of 47.46 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

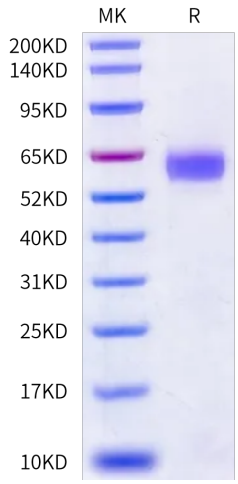
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

IL-6 (Interleukin-6) is a pleiotropic cytokine that acts in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression.Interleukin 6 has been shown to interact with interleukin-6 receptor and glycoprotein.

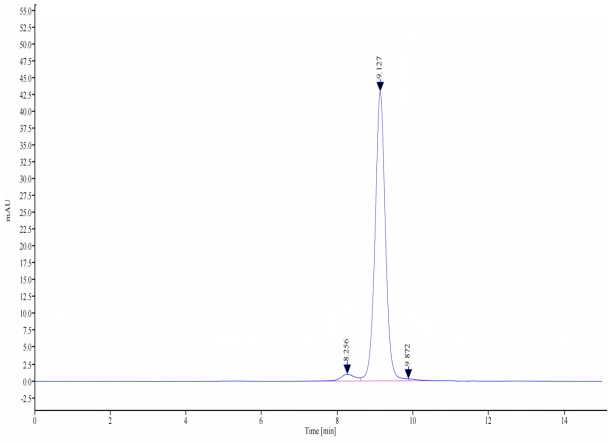
Assay Data

Bis-Tris PAGE



Human Hyper IL-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Hyper IL-6 is greater than 95% as determined by SEC-HPLC.

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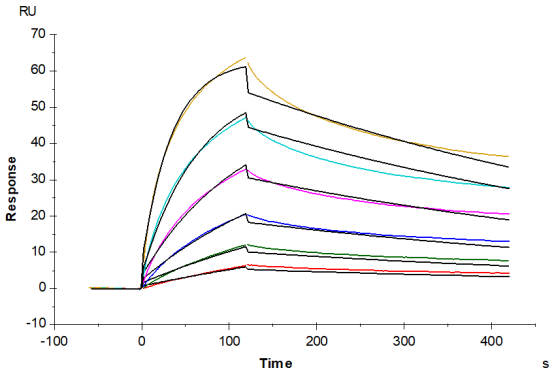
Assay Data

SPR Data



Human Hyper IL-6, His Tag immobilized on CM5 Chip can bind Human gp130, His Tag (Cat. GP1-HM130) with an affinity constant of 5.82 nM as determined in SPR assay (Biacore T200).