

Human SIRP alpha V6 Protein



Cat. No.    SRP-HM4V6

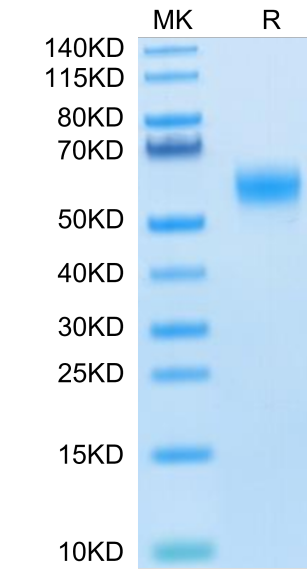
| Description      |  |
|------------------|--|
| Source           | Recombinant Human SIRP alpha V6 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.<br>It contains Glu31-Arg370(S105P). |
| Accession        | P78324 variant 6   |
| Molecular Weight | The protein has a predicted MW of 39.9 kDa. Due to glycosylation, the protein migrates to 55-70 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<br>> 95% as determined by HPLC  |

| Formulation and Storage |   |
|-------------------------|---|
| Formulation             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| Reconstitution          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| 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  |  |
|---|--|
| Signal regulatory protein α (SIRPα) is a regulatory membrane glycoprotein from SIRP family expressed mainly by myeloid cells and also by stem cells or neurons.SIRPα acts as inhibitory receptor and interacts with a broadly expressed transmembrane protein CD47 also called the "don't eat me" signal.Cancer cells highly expressed CD47 that activate SIRP α and inhibit macrophage-mediated destruction. |  |

Assay Data

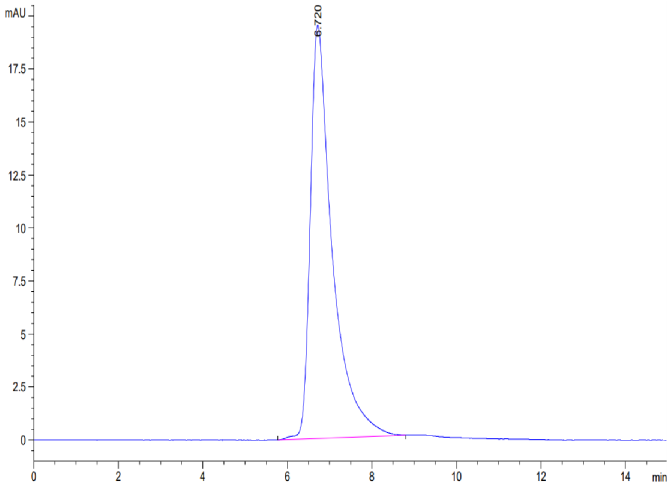
Bis-Tris PAGE



Human SIRP alpha V6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

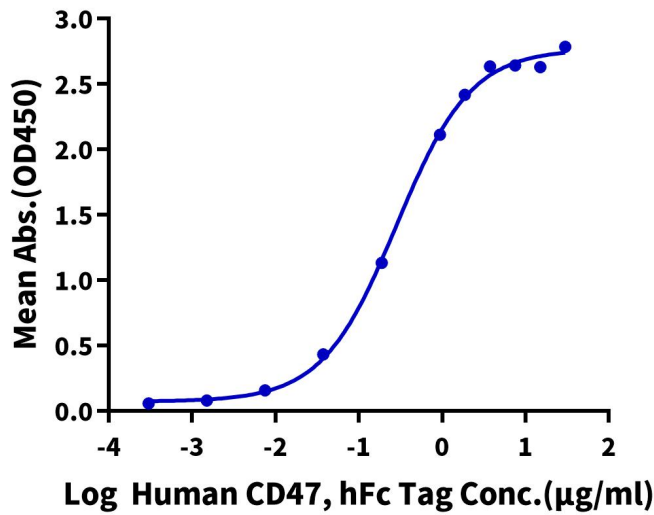
Assay Data



The purity of Human SIRP alpha V6 is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human SIRP alpha V6, His Tag ELISA**  
0.5µg Human SIRP alpha V6, His Tag Per Well



Immobilized Human SIRP alpha V6, His Tag at 5µg/ml (100µl/Well). Dose response curve for Human CD47, hFc Tag with the EC50 of 0.28µg/ml determined by ELISA (QC Test).