# Human SIRP Beta/CD172b Protein

**Cat. No.** SRP-HM40B

## Description

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|---|---|
| **Source** | Recombinant Human SIRP Beta/CD172b Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. |
| | It contains Glu30-Ala369. |
| **Accession** | O00241-1 |
| **Molecular Weight** | The protein has a predicted MW of 40 kDa. Due to glycosylation, the protein migrates to 52-60 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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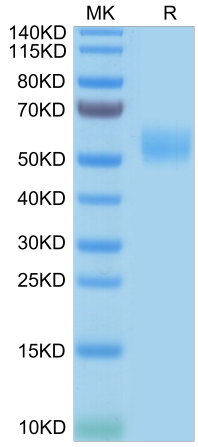
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized 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

SIRP beta 1 is a type I transmembrane protein belonging to the SIRP family within the Ig superfamily. Members of this family are characterized by an extracellular region containing a V-set Ig domain containing a J-like sequence and two C1-set Ig domains.SIRP beta 1 is immunoglobulin-like cell surface receptor involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Participates also in the recruitment of tyrosine kinase SYK. Triggers activation of myeloid cells when associated with TYROBP.

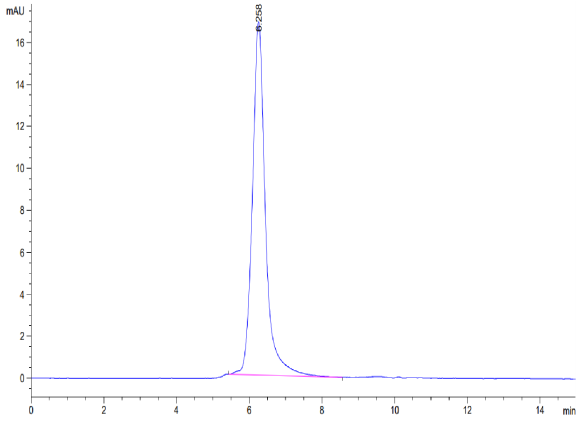
## Assay Data

### Bis-Tris PAGE




Human SIRP Beta on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.

### SEC-HPLC




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

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