

# Human SIRP Beta/CD172b Protein

Cat. No. SRP-HM40B

## Description

<b>Source</b>	Recombinant Human SIRP Beta/CD172b Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu30-Ala369.
<b>Accession</b>	O00241-1
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

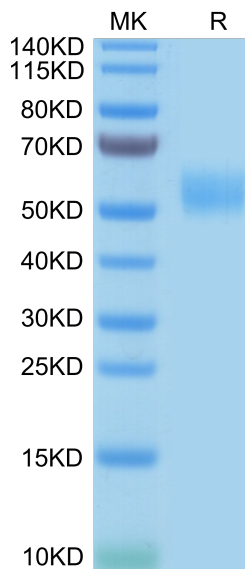
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

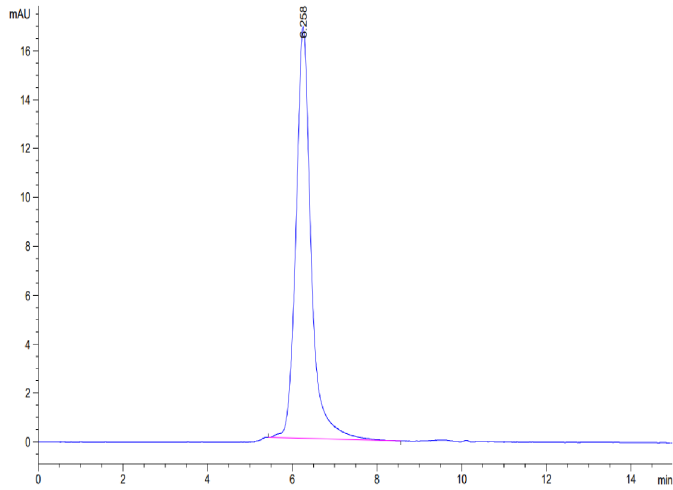
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



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