



# Recombinant Human Signal-regulatory protein beta-1 (SIRPB1)

<b>Product Code</b>	CSB-BP021335HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O00241
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	E DELQVIQPEK SVSVAAGESA TLRCAMTSLI PVGPIMWFRG AGAGRELIYN QKEGHFPRVT TVSELTKRNN LDFSISISNI TPADAGTYYC VKFRKGSPDD VEFKSGAGTE LSVRAKPSAP VVSGPAVRAT PEHTVSFTCE SHGFSPRDIT LKWFKNGNEL SDFQTNVDP A GDSVSYSIHS TARVVLTRGD VHSQVICEIA HITLQGDPLR GTANLSEAIR VPPTLEVTQQ PMRAENQANV TCQVSNFYPR GLQLTWLENG NVSRTETAST LIENKDGTYN WMSWLLVNTC AHRDDVVLTC QVEHDGQQAV SKSYALEISA HQKEHGSDIT HEAALAPTAP L
<b>Source</b>	Baculovirus
<b>Target Names</b>	SIRPB1
<b>Protein Names</b>	Recommended name: Signal-regulatory protein beta-1 Short name= SIRP-beta-1 Alternative name(s): CD172 antigen-like family member B CD_antigen= CD172b
<b>Expression Region</b>	30-371
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	This protein is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. This protein was found to interact with TYROBP/DAP12, a protein bearing immunoreceptor tyrosine-based activation motifs. This protein was also reported to participate in the recruitment of tyrosine kinase SYK. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.