



# Recombinant Protein Technical Manual

## Recombinant Human SIRPB1/CD172b Protein (His Tag)

RPES4853

### Product Data:

**Product SKU:** RPES4853

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** O00241

### Protein Information:

**Molecular Mass:** 37.4 kDa

**AP Molecular Mass:** 45-55 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Signal-regulatory protein beta; SIRP-beta; CD172 antigen-like family member B; CD172b; SIRPB1

## Immunogen Information:

**Sequence:** Glu30-Glu362

## Background:

Signal-regulatory protein beta (SIRPB1, CD172b) 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.