



Recombinant Protein Technical Manual
Recombinant Human SIRP gamma/CD172g Protein
(Fc Tag)
RPES2547

Product Data:

Product SKU: RPES2547

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9P1W8

Protein Information:

Molecular Mass: 63.9 kDa

AP Molecular Mass: 80 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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, pH 7.4.

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

Application:

Synonyms: Signal-Regulatory Protein Gamma; SIRP-Gamma; CD172 Antigen-Like Family Member B; Signal-Fegulatory Protein Beta-2; SIRP-b2; SIRP-Beta-2; CD172g; SIRPG; SIRPB2

Immunogen Information:

Sequence: Glu29-Pro360

Background:

Signal-Regulatory Protein Gamma (SIRPG) is a member of the signal-regulatory protein (SIRP) family and also belongs to the immunoglobulin superfamily. SIRPG is detected in the liver, and at very low levels in the brain, heart, lung, pancreas, kidney, placenta, and skeletal muscle. SIRPG is an immunoglobulin-like cell surface receptor. On binding with CD47, SIRPG mediates cell-cell adhesion. Engagement on T-cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation. SIRPG as receptor-type transmembrane glycoproteins is involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes.