

Recombinant Human SIRP-alpha/CD172a Protein

RPCB0297

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPCB0297

Calculated MW: 64.10 kDa

Contents: 10 µg, 20 µg

Observed MW: 80-100 kDa

Reactivity: Human

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human SIRP-alpha/CD172a Protein (RPCB0297), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Gene ID: 140885

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit [Insert Stable Web Address] to view the full protocol.

Expression Host: HEK293 cells

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Tags: C-hFc&His

Background: The 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 can be phosphorylated by tyrosine kinases. The phosphotyrosine residues of this PTP have been shown to recruit SH2 domain containing tyrosine phosphatases (PTP), and serve as substrates of PTPs. This protein was found to participate in signal transduction mediated by various growth factor receptors. CD47 has been demonstrated to be a ligand for this receptor protein.

Synonyms: BIT, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS1, SIRP,

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

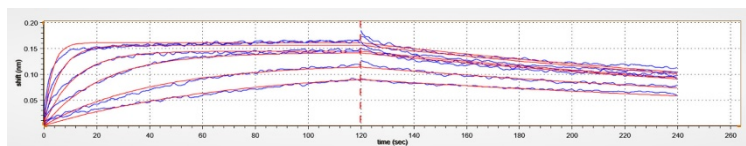
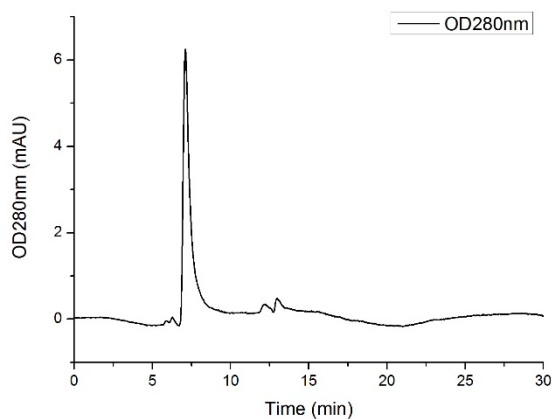
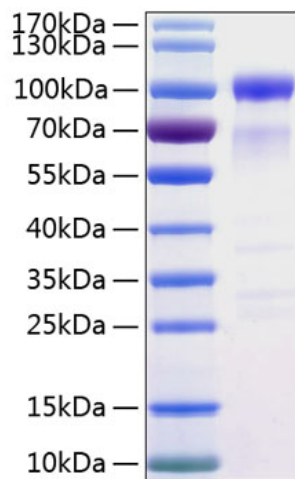
SIRPA, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS1, SIRP

Purification: $\geq 95\%$ as determined by SDS-PAGE; $\geq 90\%$ as determined by HPLC.

Endotoxin: < 0.1 EU/ μ g of the protein by LAL method.

Validation Data

Image



Description

Recombinant Human SIRP-alpha/CD172a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

The purity of Human SIRP alpha/CD172a Protein (RPCB0297) was greater than 90% as determined by SEC-HPLC.

Loaded Human SIRP-alpha/CD172a Protein, C-hFc&His(RPCB0297) on ProA Biosensor, can bind Human CD47 Protein, C-His Tag (RPCB1526) with an affinity constant of 11.1 nM as determined in BLI assay (Gator).

