

Recombinant Human SIRP-alpha/CD172a Protein

RPCB0482

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	Tag:	C-His
Reactivity:	Human	Expressed Host:	HEK293 cells
Calculated MW:	38.15 kDa	Observed MW:	45-57 kDa

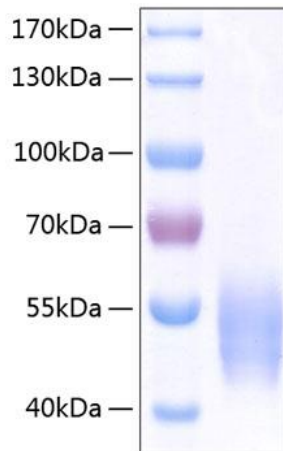
Background

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 phospho-tyrosine 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.

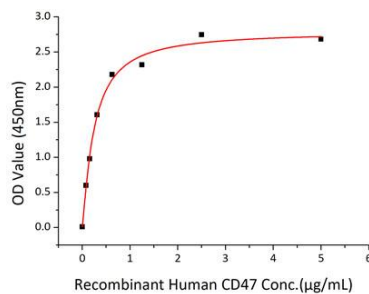
Properties

Synonyms:	BIT, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS1, SIRP, SIRPA, CD172A, MFR, MYD-1, P84, PTPNS1, SHPS1, SIRP
Gene ID:	140885
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human SIRP-alpha/CD172a Protein (RPCB0482), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
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.

Validation Data



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



Immobilized Recombinant Human SIRPA at 5µg/mL (100 µL/well) can bind Recombinant Human CD47 with a linear range of 0.1-0.4 µg/mL.