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## Datasheet for ABIN7320648 SIRPA Protein

Image



#### Overview

Quantity:	50 µg
Target:	SIRPA
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant

#### **Product Details**

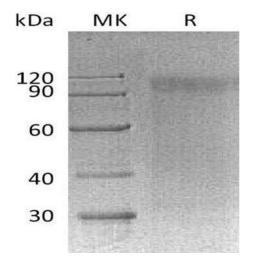
Purpose:	Recombinant Mouse SIRPA/CD172a Protein (MIgG2a Tag)
Sequence:	Lys32-Asn372
Characteristics:	Recombinant Mouse Signal-Regulatory Protein alpha 1 is produced by our Mammalian expression system and the target gene encoding Lys32-Asn372 is expressed with a MIgG2a tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per $\mu$ g as determined by the LAL method.

### Target Details

Target:	SIRPA
Alternative Name:	SIRPA/CD172a (SIRPA Products)
Background:	Background: SIRPα is a type I transmembrane glycoprotein.It contains two Ig-like C1-type domains and one Ig-like V-type domain. Mouse SIRP alpha ECD shares 61 % , 75 %, 62 %, 61 %,
	and 59 % aa sequence identity with human, rat, equine, bovine, and porcine SIRP alpha,

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	respectively.SIRPa can express in various tissues, mainly on brain and myeloid cells, including
	macrophages, neutrophils, dendritic and Langerhans cells. It also can detect in neurons,
	smooth muscle and endothelial cells. SIRPA is an immunoglobulin-like cell surface receptor for
	CD47. SIRPα acts as docking protein and induces translocation of PTPN6, PTPN11 and other
	binding partners from the cytosol to the plasma membrane. SIRPα shows adhesion of
	cerebellar neurons, neurite outgrowth and glial cell attachment. SIRP $\alpha$ engagement generally
	produces a negative regulatory signal, it may mediate negative regulation of phagocytosis,
	mast cell activation and dendritic cell activation.
	Synonym: Tyrosine-Protein Phosphatase Non-Receptor Type Substrate 1, CD172 Antigen-Like
	Family Member A,Signal-Regulatory Protein Alpha-1, CD172a, SIRPA, MFR, SHPS1, SIRP
Molecular Weight:	65.1 kDa
UniProt:	Q6P6I8
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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.



Western Blotting

Image 1.

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