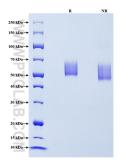
For Research Use Only Recombinant Human SIRP alpha/CD172a protein (His Tag)



Catalog Number: Eg0625

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µg protein, LAL	. method	
	Source: HEK293-derived Human SIRP alpha protein Glu31-Arg370 (Accession# P78324-1) with a His tag at the C- terminus.		
	GenelD: 140885		
	Accession: P78324-1		
	Predicted Molecular Ma 38.1 kDa	SS:	
	SDS-PAGE: 50-70 kDa, reducing (R) conditions		
	Formulation: Lyophilized from 0.22 µ protectants before lyop		5% trehalose and 5% mannitol are added as
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that	the protein be aliquoted for optimal storag	e. Avoid repeated freeze-thaw cycles.
	 Until expiry date, -20°C to -80°C as lyophilized proteins. 3 months, -20°C to -80°C under sterile conditions after reconstitution. 		
	Shipping: The product is shipped a temperature.	at ambient temperature. Upon receipt, store	e it immediately at the recommended
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	SIRP Alpha is a receptor expressed by myeloid c After activation of SIRP recruited and regulates phagocytosis and polari	as CD172a or SHPS-1, is a transmembrane gly with immunoreceptor tyrosine-based inhib ells, including monocytes, macrophages, gra Alpha, Src homology 2 domain-containing pr receptor tyrosine kinase coupled signaling zation of macrophages. SIRP Alpha binds to ed in cancer cells), and this interaction prov	ition motifs in its cytoplasmic domain anulocytes, and a subset of dendritic cells. rotein tyrosine phosphatase-1 (SHP-1) is , participating in the regulation of CD47, a receptor present on all cells (and
References	3. de Vos AF, et al. (2020	Curr Drug Targets. 9(10):842-50. 4) Annu Rev Immunol. 32:25-50.) Nat Immunol. 21(6):601-603. ront Immunol. 13:865579.	
Synonyms	SIRP Alpha, SIRP Alpha/C	D172a, SIRPA, BIT, Brain Ig-like molecule wit	h tyrosine-based activation motifs

Selected Validation Data



Purity of Recombinant Human SIRP alpha was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.