

Human SIRP $\alpha$ Protein, hFc-His Tag

Catalog No: #AP89536

Package Size: #AP89536-1 10ug #AP89536-2 100ug

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## Description

Product Name	Human SIRP $\alpha$ Protein, hFc-His Tag
Host Species	HEK293
Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Species Reactivity	Human
Immunogen Description	SIRP $\alpha$ (Glu31-Arg370)+hFc(Glu99-Ala330)+6 $\times$ His tag
Other Names	SHPS1, SIRPA, CD172A, BIT, MFR, MYD1, P84, PTPNS
Calculated MW	70-98 kDa
Tag Info	C-Human Fc and 6 $\times$ His tag
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 16 % trehalose is added as protectants before lyophilization.
Storage	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

## Images



## Product Description

Expression Region:710Research Topic:Tyrosine-protein phosphatase non-receptor type substrate 1 (SHPS1) is also known as CD172 antigen-like family member A (CD172a), Macrophage fusion receptor, MyD-1 antigen, Signal-regulatory protein alpha (SIRPA or SIRP alpha) or p84, is a member of the SIRP family, and also belongs to the immunoglobulin superfamily. SIRP alpha is Ubiquitous and highly expressed in brain. SIRPA / CD172a is immunoglobulin-like cell surface receptor for CD47 and acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. SIRPA / SHPS-1 supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment and may play a key role in intracellular signaling during synaptogenesis and in synaptic function By similarity. SIRPA / MyD1 involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin and mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells.

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Note: This product is for in vitro research use only