

Recombinant Human SIRP alphaV2 protein, His-Avi-tagged, Biotinylated

Cat. No. SIRP alphaV2-864HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human SIRP alphaV2, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Glu 31 - Arg 369 (Accession # ATD50864.1).
Species	Human
Source	HEK293
ProteinLength	Glu 31 - Arg 369
Description	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

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	production by mature dendritic cells.
Predicted N Terminal	Glu 31
Form	Please contact us for detailed information.
Molecular Mass	The protein has a calculated MW of 40.7 kDa.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
GENE INFORMATION	
Synonyms	SHPS1; SIRPA; CD172A; BIT; MFR; MYD1; P84; PTPNS1