Recombinant Human SIRP alphaV8 protein, His-Avi-tagged, Biotinylated

Cat. No. SIRP alphaV8-866HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human SIRP alpha V8, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Glu 31- Arg 369 (S44L, S50T, I52T, H54R, V57A) (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

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	binding prevents maturation of immature dendritic cells and inhibits cytokine 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℃ before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Synonyms	SHPS1; SIRPA; CD172A; BIT; MFR; MYD1; P84; PTPNS1

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