

PRODUCT INFORMATION

SIRPa Target

SHP substrate 1;SHPS-1;Bit;MyD-1 antigen;mSIRP-**Synonyms**

alpha1;p84;CD172a

Recombinant mouse SIRPa protein with C-**Description**

terminal 6×His tag

Delivery In Stock P97797 **Uniprot ID Expression Host HEK293** C-6×His Tag Tag

Molecular

Background

Mouse SIRPa(Lys32-Asn373) 6×His tag Characterization

The protein has a predicted molecular mass of 38.7kDa after removal of the signal peptide. The **Molecular Weight**

apparent molecular mass of mSIRPa-His is approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding

partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell

attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function. Involved in the negative regulation of

receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. 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 (By similarity) [UniProtKB/Swiss-Prot Function]

Usage Research use only

Conjugate Unconjugated





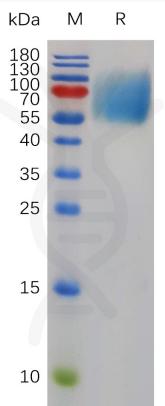


Figure 1. Mouse SIRPA Protein, His Tag on SDS-PAGE under reducing condition.

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