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32-17917: Recombinant Mouse SIRP? Protein, His Tag

Uniprot ID : P97797
Alternative Name : SHP substrate 1, SHPS-1, Bit, MyD-1 antigen, mSIRP-alpha1, p84, CD172a

Description

Molecular Characterization: Mouse SIRPa(Lys32-Asn373) 6Ã—His tag
Molecular weight: The protein has a predicted molecular mass of 38.7kDa after removal of the signal peptide. The apparent molecular mass of mSIRPa-His is approximately 55-70 kDa due to glycosylation.
Description: Recombinant mouse SIRPa protein with C-terminal 6Ã—His tag
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 production by mature dendritic cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product Info

Amount :	100 µg / 50 µg
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage condition :	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). Lyophilized proteins are shipped at ambient temperature.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.