

SIRP beta Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77490
Synonyms:	SIRP-beta B-type; Sirpb1a; SIRP-beta
Species:	Mouse
Source:	HEK293
Accession:	BAD26610 (M1-K363)
Gene ID:	/
Molecular Weight:	55-60 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	SIRP-beta (Sirpb, CD172b) is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily with three IgSF domains in its extracellular region. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. Sirpb was found to interact with TYROBP/DAP12, a transmembrane adaptor protein bearing immunoreceptor tyrosine-based activation motifs. Ligation of Sirpb results in the tyrosine phosphorylation of DAP12 and the subsequent recruitment of Syk to the Sirpb-DAP12 complex in RBL-2H3 cell transfectants. It also stimulated serotonin release from these cells. Sirpb is therefore implicated as a positive regulator of hematopoietic cells ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA